



Innovating since
1843

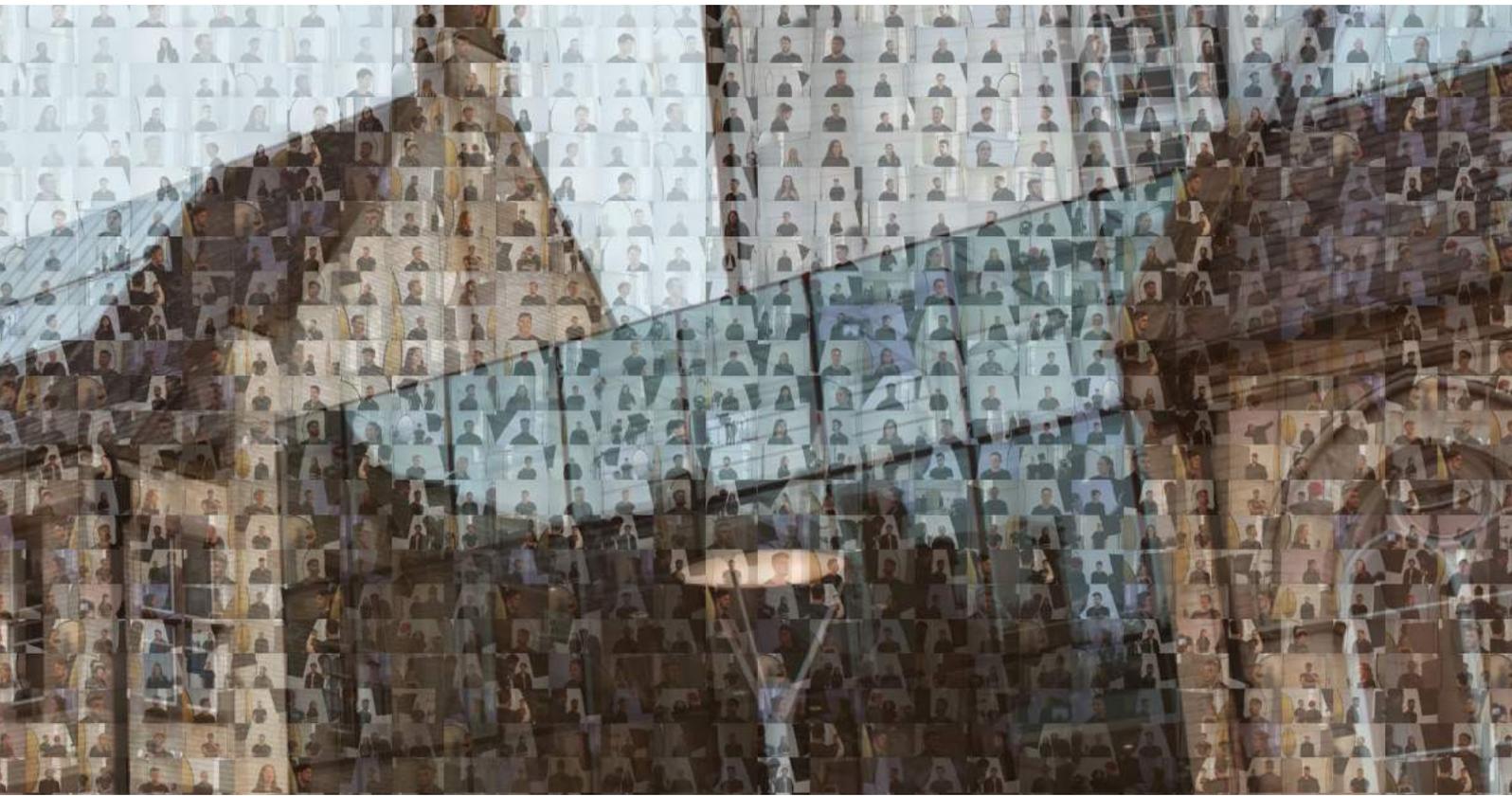
NOTTINGHAM TRENT UNIVERSITY 

ntudesignindustries.com

C O N T E N T S

- 9 FOREWORD
- 12 BA FURNITURE AND PRODUCT DESIGN
- 74 BA PRODUCT DESIGN
- 210 BSC PRODUCT DESIGN
- 304 THANK YOU
- 306 EXPO TEAMS
- 311 SHOW DATES





Mosaic comprised from photos of all 141 students represented within the NTU Design Industries brochure 2018.



FOREWORD

A WORD FROM JIM DALE



JIM DALE

Head of Product Design

Twenty-five years ago (give or take), back when I was still a design student, I got to meet Bill Moggridge; co-founder of Ideo and founding father of Interaction Design. Bill presented a short demonstration of how Ideo were prototyping digital interfaces and linking the physical product to the digital, onscreen interface – work which was absolutely groundbreaking at that time. In his usual low-key way Bill proceeded to blow the minds of the assembled audience and changed my life as a designer forever. As a student I could only really dream of producing working models so accurate that users could not tell the difference between what was a rough working prototype and what was a commercially viable product.

Now, we did once have an external examiner who completely failed to spot that what he thought was a photograph of a model was in fact a computer simulation. Ultimately the problem with 2D visuals is you simply can't hold a computer rendering, and no matter how good virtual reality has become, it's yet to accurately simulate the pure sensory joy of sitting in a really comfortable sofa. But technology is ever improving and getting cheaper by the day, because of this the creative minds (and hands) of our students are accessing more freely the means of prototyping and testing ever more sophisticated products.

The extraordinary fidelity and accuracy of prototypes that students can now produce, which increasingly include fully working interfaces, discreetly embedded technologies, materials rapid prototyped in a fraction of the time it would take to tool and produce complex components, provide simply staggering possibilities -and that's before you start consider how students now model detailed service strategies, systems, policies and business plans that sit alongside their designs.

Once upon a time you would open a designer's toolbox and inside you would find pencils, pens, some knives and various modelling tools (not to mention a great deal of car body filler) but if you open the toolbox of one of our product design graduates today you'd be as likely to find a book on programming as you are a chisel. The work on display in this brochure represents the great depth and breadth of what represents Product Design today, the students who have produced this work are highly knowledgeable, creative practitioners with an enviable set of tools at their disposal, and I for one can't wait to see where they take our discipline next.

A handwritten signature in black ink, appearing to be 'Moggridge', located in the bottom right corner of the page.

BA FURNITURE & PRODUCT DESIGN

FOREWORD FROM CHRIS LAMERTON
PORTFOLIO OF WORK



CHRIS LAMERTON

BA (Hons) Furniture & Product Design final year Module Leader

My time at NTU this year hit a two decade milestone; From my early days in 1998 as a first year undergraduate student enrolled on the Furniture and Product design course, then sited in the Waverly building, through to my 'Courses Management' role of today. Throughout this period, as one can imagine, I have mentored, tutored, managed and forged lasting relationships and established international networks with graduates who are now and will forever be friends and colleagues.

Our Product Design department embraces collegiate working and the fervent promotion of a community spirit between the academic team, the student cohort, historical graduates and collaborative partners. It is this all-encompassing 'design community' that has paved the way for alumni employing our students and, in-time, further graduates, building and promoting excellent transferable and employable, skill-sets.

Our reflective familial approach to experiential learning builds, binds and strengthens relationships within the design industry, as we look to those who we trust through galvanised social and professional networks. I have been privileged to see many 'friends' transition through NTU, leaving individual and lasting memories with us as they evolve into positions of professional responsibility within global consultancies or as individual business success stories.

The journey through higher education is not an easy or light-hearted endeavour and how it is managed defines the success of the individual. You have all accomplished so many things throughout your time at NTU and triumphantly completing this rigorous period of your lives will stay with you forever, as it did with me, as fond memories of life, love, fun, discovery and passion for design.

The student cohort of 2017 / 18, I can only say, have taught me more that I could ever pass on to them over the last 4 years. They are a strong and solid group of friends who will continue to overcome personal obstacles and professional challenges successfully for years to come.

Bon Chance et Bon Voyage !

A handwritten signature in black ink, consisting of a stylized, cursive name that appears to be 'Rui' or similar, written over a horizontal line.





BEATA ASTRAUSKAITE

Llumrete Light is the irony of materials. Such a cold, hard material as concrete used for delicate light which gains warmth by transmitting the light through. It is the beauty of concrete and fibres combined. The Llumrete light is the decorative lounge/ living room light with adjustable lid, which could be used as a tray for the stationery or jewellery. The light gives a warm and romantic feel to the room.

The **Mest** is built to suit babies, toddlers and children. It is the furniture which grows with the child and adapts to their needs. At the beginning, it is suitable for mothers to relax, feed and interact with their baby, then it grows to a story-telling/reading corner and later on becomes a children's 'adventure' corner. The main feature of the Mest are ergonomics. The multifunctional cushions are made to give not only comfort for sitting, laying or napping, but also the support for breastfeeding, plus it can be used as a 'sit up' for young babies.

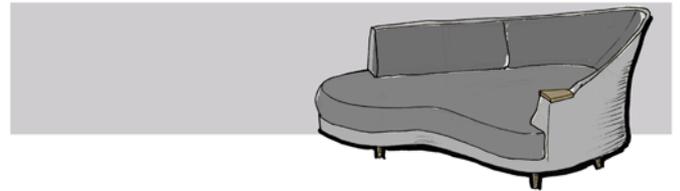
E beata.astra@gmail.com
T +44 7507 290860
W beata.design
S instagram.com/beata.design/

Arbunel-





Nest



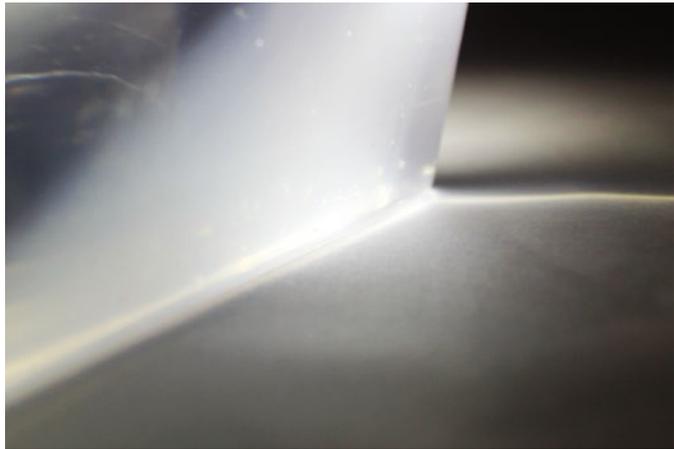
ANDREW CARROLL

The **masque** sideboard holds and presents a sand blasted Ash front, creating a multi-level textured appearance. Different intensities of the process were conducted, generating an effect that changes, dependant on the angle that you see the sideboard from. A simplistic, minimalistic and functional piece of furniture has been designed, acting as a canvas to the pattern, creating this feature point.

EXO is a material lead project, exploring and pushing resin properties to the limit. Tests were conducted to see whether the resin and its exothermic properties could cause itself to crack. The resulting lamp exploited the casting process limitations, making a feature that gets exposed only in certain lights.

E andrew.c1996@hotmail.co.uk
T +44 7794 671807
W [linkedin.com/in/andrew-c1996](https://www.linkedin.com/in/andrew-c1996)
S [instagram.com/a_carroll_1](https://www.instagram.com/a_carroll_1)





PAIGE CARROLL

Annie is designed with interchangeability and adaptability in mind. To allow freedom for the user when designing their homes, or in need of furniture pieces that can be changed dependant on their occupier. The covers are able to be changed to suit décor and room sets, as well as to be washed and cleaned. There is a focus on prolonging the need and want to buy new furniture or to reupholster.

Jasmyn was a material exploration into Jesmonite. After taking part in a workshop, I was introduced to the material which takes on similar properties to concrete and plaster. With this knowledge I researched into existing examples of how Jesmonite has been used, and to not only exploit its ability with taking on intricate details and patterns (i.e marbling and contrasting materials), but also to test its ability to take on different forms and surface textures. This is then adapted to a homeware product creating a grand and obscure design.

E paigeedithcarroll@outlook.com
T +447508 024926
W [linkedin.com/in/paigecarroll1994](https://www.linkedin.com/in/paigecarroll1994)
S [instagram.com/paigeedithcarroll](https://www.instagram.com/paigeedithcarroll)





Annie.



Annie.



Josmyn



Josmyn

ABIGAIL CHADWICK

Foli is a cluster of handmade plaster and fabric pendant lights which are primarily inspired by biomimicry. Each shade is individually made by dipping fabric into liquid plaster then carefully placed onto an acetate sheet before being rolled and set into shape. Using the acetate in this way creates a smooth outer edge with discrete bubbles which create subtle interest in purposefully minimal exterior. In comparison, when the light is turned on mesmerising patterns are created where the plaster and fabric has created bubbles and folds.

Bubl is a 3-piece occasional table set designed to steer the consumer into using each table for a different purpose. Inspired by tessellation and naturally forming shapes, this collection of tables is a modern take on the more traditional nest tables. By using different materials for every table top each table has a directed use ensuring that all tables are used, compared to the more traditional nest tables which are designed to stack neatly away with only the top table receiving most use.

E abi.chad@hotmail.com
T +44 7597 260542
S [instagram.com/abichad.design](https://www.instagram.com/abichad.design)

A. Chad.





VANESSA CHAN

Venus Bedside Rolling Lamp is an interactive bedside lamp designed with a clean and minimalistic structure. Venus requires the user to roll the crystal sphere on the wooden base by hand to adjust its brightness, colour and direction of light for different purposes while laying down in bed. It is transformable from providing white toned illumination for reading in bed, to being a yellow toned soft night light. The design attracts people's curiosity to use the lamp through a unique manipulation, resulting in an interesting user experience.

To extend the exploration of interactive design the **Tactile Relaxation Chair** was created. The design not only fulfils, but enhances the unconscious temptation of interacting and feeling the forms and textures of the surrounding. Hidden textures are created on unexpected areas of the chair, where body parts could possibly touch on unconsciously. This project raises a unique way to obtain relaxation through experiencing mysterious tactile textures from the structure of the chair, showing the interesting connection between tactility and furniture.

E vanessacy@outlook.com
T +44 7845 648984
W [linkedin.com/in/vanessaychan](https://www.linkedin.com/in/vanessaychan)





Venus



Tactile

ALEX DE LA POLE

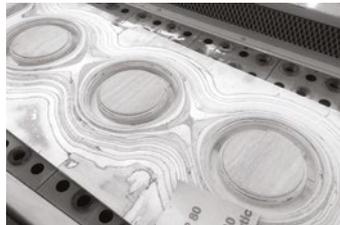
Physio Liquid Clock is a wall mounted panel representing time as indicated by the volume of liquid retained in a transparent tube. Built as a response to the question: 'What if digital data could be made tangible?' it illustrates the convergence of digital control on manipulation of physical matter - mechatronics meets fluid dynamics. The design could be described as functional artwork and be suitably installed in a modern kitchen, executive office or reception. A lightweight moulded fibreglass shell produces a delightfully draped profile.

Phoenogene. A free-standing audio-visual sculpture combining a trio of automated vertical plant panels, local air quality sensors, HD audio & laser projection for a real-world immersive sensory experience and educational storytelling. It could be described as a 'Digital Font of Knowledge', for example, as it runs a programme to raise awareness of certain topics, such as natural resource economies. Take the opportunity to visit on a lunch break from work in a corporate atrium or public space to relax, contemplate, learn and be inspired!

E alexdelapole@gmail.com
T +44 7806 637516
W alexdelapole.co.uk
S instagram.com/alexdelapole

Alex de la Pole





DUNHE TAN

STELLA is a prominent and sleek coffee table, which features a stainless steel base in a unique design, inspired by astronomy. The table top is made out of polished toughened glass, on which you can place your drinks, vases, fruit bowls or ornaments. This coffee table can also be used as a side table, a couch table or a living room table. This design was inspired from the noun, “connection”, connecting between materials, steel and glass, and connecting between human and design.

Daffodil, a transformable and stylish armchair that is effortlessly interchangeable, whether it is an armchair or an armchair that surrounds its user, providing personal space. Daffodil is a daffodil yellow industrial fabric-based armchair. The durable industrial fabric is contrasted with cambro cream leather for the armrests, overall giving a soft but long-lasting quality. The frame which is optional can be made from either stainless steel squared-tubes or timber, whilst leather cord is used to fill the space between the frame and the armchair itself.

E dunhe520@gmail.com
T +44 7522 040752
W itsabobthing.carbonmade.com
S [instagram.com/a_bob_thing](https://www.instagram.com/a_bob_thing)





STELLA



Daffodil

SOPHIE GILPIN

The **Pure** sideboard is designed and built for life. The main body is made from oak and the construction details are highlighted with the use of walnut. Contrasting timbers creates a celebration of the traditional joinery and finesse gone into the manufacture of this piece. As the years progress this design will gradually build character through the natural aging of the timber, increasing the aesthetic, making it a piece the owners will want to hold onto. Pure sideboard is a clean, honest design with every detail considered. Opening the doors, reveals further consideration of the slats which are housed on a walnut sliding dovetail and locked into position with a dowel detail.

Hedron Lighting is the end product after experimenting with Jesmonite. They are produced individually by casting into a simple hand-crafted mould. Hedron consists of crisp, accurate lines on the exterior, completely contrasting the interior which celebrates the rotational process and the journey of the manufacturing. Available in various shapes, sizes and colour, providing a completely bespoke service.

E sophie-gilpin@hotmail.co.uk
T +44 7443 418650
W sophiegilpin.com
S [linkedin.com/in/sophie-gilpin/](https://www.linkedin.com/in/sophie-gilpin/)





Pure Sideboard



HEDRON



MATT HARVEY

There has been a rise in the use of industrial materials in modern interior spaces- for example concrete has reached cult status and is becoming a common sight in contemporary housing. The **Corrugated Collection** draws on the rich history of corrugated iron and puts forward a case for the use of the industrial roofing material under the roof. Like concrete, corrugated iron has an effortless aesthetic making it the perfect focal point of a utilitarian space. The 3-piece collection features a chest of drawers, a side board and a dressing table available in black powder coat, nickel plated or sand blasted galvanized (for the industrial purists) finish.

Limited space offers us an opportunity to design furniture that is sympathetic to the space it uses up. Living rooms are often small spaces that need the versatility to host a number of social and private activities. **Loft Table** offers this versatility. The table's light, compact and easy-to-put-away qualities make it ideal for getting out the way when the space is needed. The design draws a muted linear aesthetic from the lacquered ply edging.

E mattrvdesign@gmail.com
T +44 7411 988832
W mattrv.co.uk
S [instagram.com/mtrvfurniture](https://www.instagram.com/mtrvfurniture)





C CORRUGATED
COLLECTION



Loft
Table



MATTHEW HILL

Array is a modular furniture feature, comprising of steam bend oak, with details of walnut and steel showing the craftsmanship involved within the design and manufacture. The module is designed to be used with add-on components to create a range of furniture and products for residential and commercial use. The **Array** system offers replaceable and interchangeable components, increasing the lifespan and durability of the product. The modular design allows for development of future pieces and applications, further extending its usability. **Array's** strong and elegant form allows it to be used to create both large and small furniture pieces, ideal for all room sizes, due to its visually lightweight design.

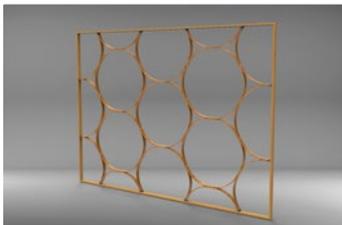
Emerge, Aura, Scorch I and Scorch II are pendant lights machined using green wood that was a bi-product of woodland management, meaning these simple and beautiful pendants are 100% sustainable. As the wood was green when machined, they warped when drying due to the processes they went through, making each one unique.

E matt@matthilldesign.com
T +44 7814712165
W matthilldesign.com
S [instagram.com/matthilldesign](https://www.instagram.com/matthilldesign)





ARRAY



FRED HOGG

The **EZ Chair** provides compact comfort to commercial environments that are space conscious. With an aim to be visually light, the design hints at the illusion of floating. The steel tubular frame provides multiple handles aiding its mobility, be it a small nudge forward in a café, or a quick team meeting in an office breakout area. The low back rest enables movement in its user, encouraging a more social setting.

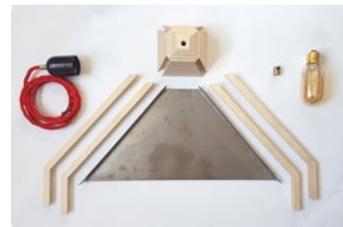
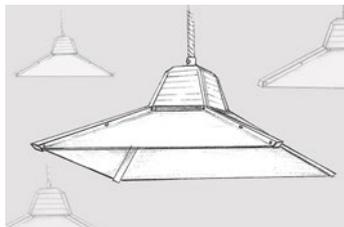
The **Ex Shade** is a visual exploitation of the linear end grain, of its plywood frame. With a brief to produce a pendant light from flat sheet material, focus was drawn on how the pendant would be viewed from various angles. The Ex Shade could prove to be a successful contract piece, with its ability to be easily scaled for smaller and larger commercial interiors, whilst also available in a choice of spray finishes.

E fredhogg@hotmail.co.uk
T +44 7552 657005
S [instagram.com/be_right_on_design/](https://www.instagram.com/be_right_on_design/)





EZ CHAIR



HYUKJON KWON

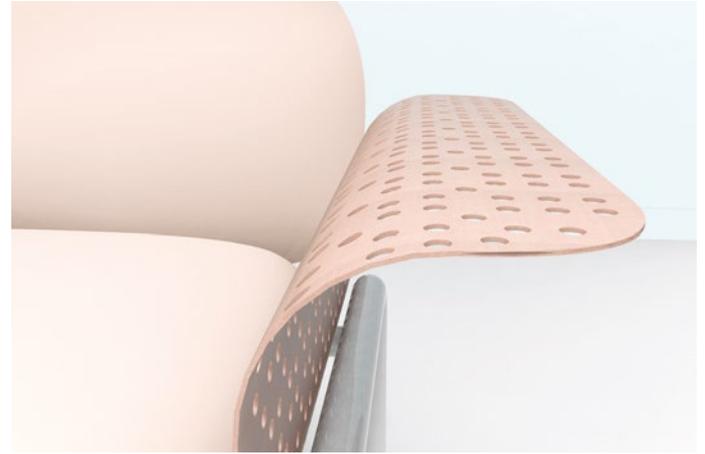
Bloom is a lounge chair that has been designed for people who are interested in fashion. These days, people who like to shop for clothes and fashion accessories have become more and more interested in decorating their homes with aesthetic furniture. Some furniture brands have collaborated with fashion brands that have similar design identities to create bespoke pieces of furniture.

After discovering that people often chose similar design furniture to their fashion style, I chose the fashion brand '& other stories', which has a similar design identity to me. Bloom is targeted at a similar market to the fashion brand '& other stories' which is using bright colours and sculptural shapes.

The lounge chair Bloom is made with powder coated sheet steel and stainless tube, and is upholstered in soft fabric. The legs can be taken off from the chair body thus, making it easier for people to pack when people move.

E seesawjoo@gmail.com
T +44 7488 533733
W hyukjookwon.com
S instagram.com/hjoo_kwon



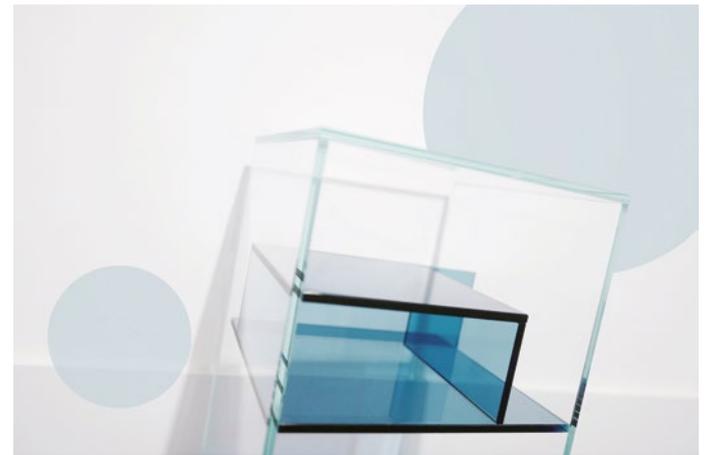
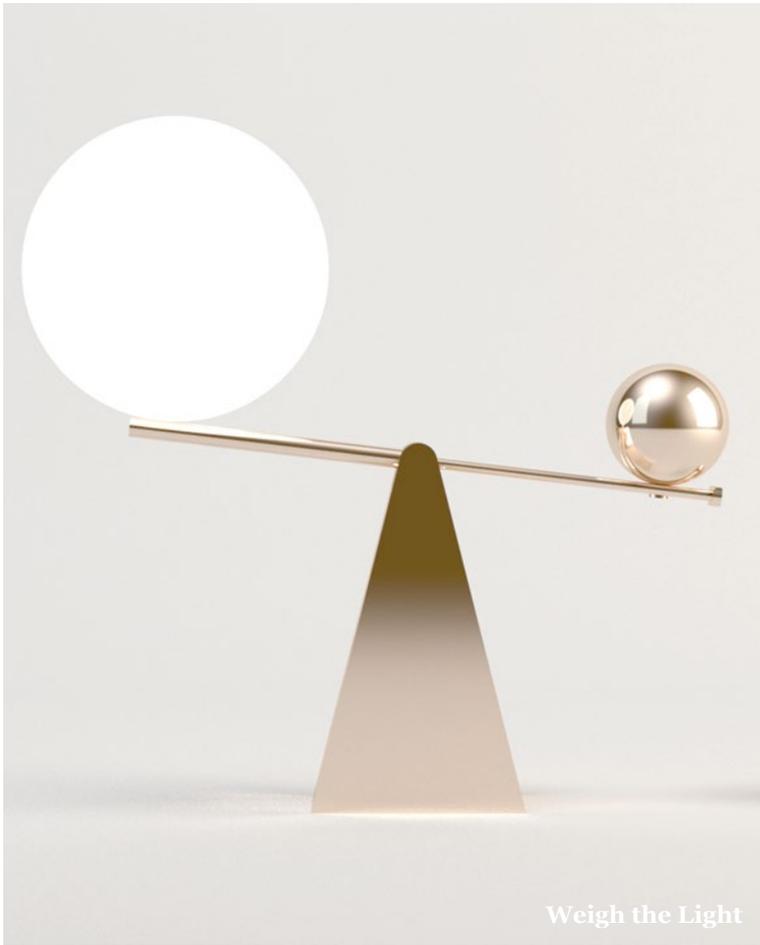


SIMIN LIN

Weigh the Light is a table lamp driven by 'form follows idea and narrative' design. It was conceived through the idea that everything has its own sense of physical presence, even things that are intangible. The interaction with said objects creates familiarity, studying this provides us with a greater understanding of our emotional connection to products. Weigh the Light is a table lamp that embodies the notion of the weight of light. The brightness of the bulb increases as the solid metal ball moves to the right, as a result of a the user shifting the balance. At the same time, the glass globe is gradually rising higher, beautifully mimicking the sunrise. This table lamp uses light to illustrate idyllic fantasy in an everyday scene.

The Blue Table is manufactured from hardened, tinted clear glass. It was inspired by the effect that translucence has when sun light as it travels through coloured windows. The Blue Table echoes what we see through windows daily: the blue sky.





JOE MCUSKER-BLAND

Inspired by the growing parallel between home and office design, **Dotti** reception chairs introduce a friendly domestic feel into the contract market. Perfect for breakout spaces and upholstered with *Camira Synergy* fabrics, there is flexible choice of colour combinations. A special thanks to '*Pressfab engineering ltd*', '*Deebee foams ltd*' and '*Ocee Design ltd*' for assisting with this project.

Pingvin are an exciting desk-space duo, designed to function as luxury desk-tidy products. Inspired by Alessi's design philosophy, the imaginative aesthetics transform the simple desk-tidy functions into a product with a likeable personality. These stylish penguins can store loose stationary, hold keys and pin up important reminders with their magnetic 3D-printed beaks. The bodies are hand-crafted out of oak on a lathe, and this achieves the perfect symmetry and the unique wood grain detail on the product. Simply designed, Pingvin make great companions for workspace environments.

E joe_mcbland@hotmail.co.uk
T +44 7807866978
S [instagram.com/mcbland_design](https://www.instagram.com/mcbland_design)





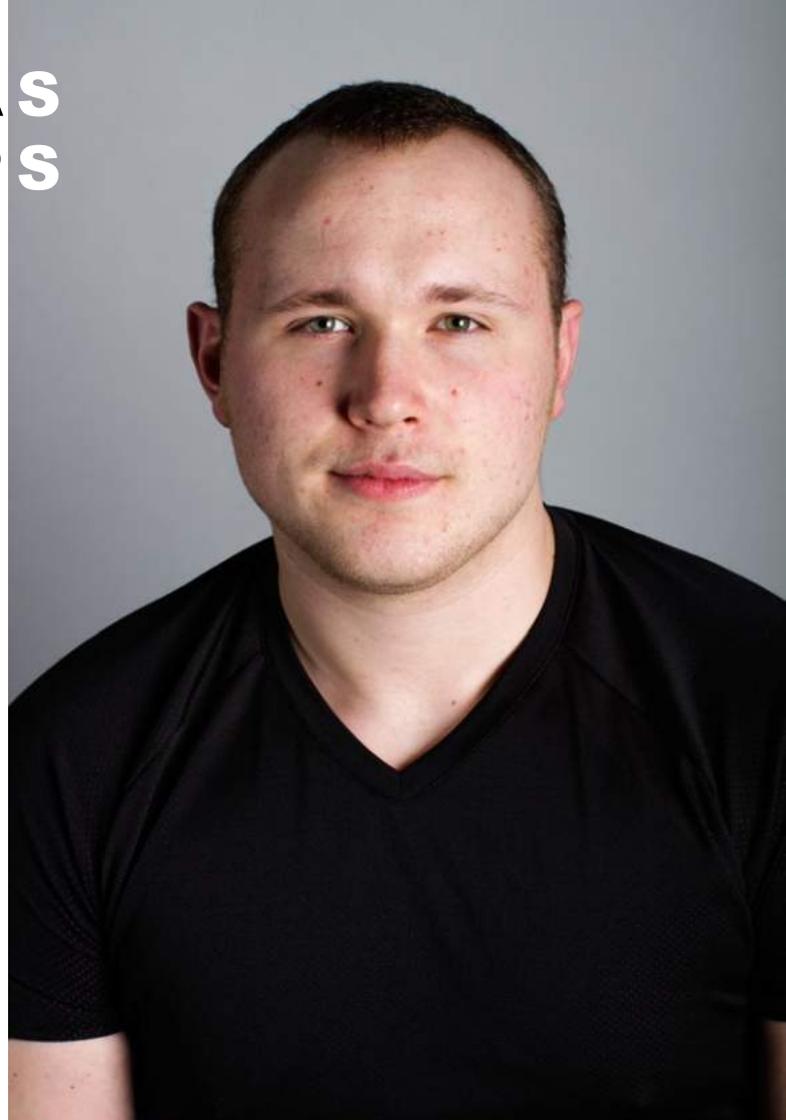
THOMAS PHILLIPS

Simul utilises one of our most primitive warming materials that is felt, against a cold hard steel frame work. Gaining inspiration from the fine artist Joseph Beuys, with his collection called 'Coyte' that embodies the first textile man used, being felt. Simul's shape and structure was influenced by Italian glass wear designers from the 1930's. Exploring how simplicity in curves and structure allows the contrasting mediums to show through further. The sleek design grants it to fit into home or in work environments. Simul is completely stackable allowing them to be stored while not in use.

Flex is a tactile moveable lamp using new lighting technology, that allows the design to get the most out of the flexible tubular lamp. Because of the large sweeping structure of modern contemporary architecture, this inspired the large circular shapes that the technology naturally fell into. Flex grants the user to get hands on with the design and create their own structures within the initial basic product.

E tjep@me.com
T +44 7597 561534
S [instagram.com/tjep](https://www.instagram.com/tjep)

Thomas
Phillips.





Simul



Flex

THOMAS POCKLINGTON

Nearly a third of the UK's population are said to be suffering from insomnia, and nearly half the population are getting six hours or less sleep per night. This highlights that sleep, or the lack of it, is becoming a considerable problem. **Oriri** is a sunrise alarm clock that uses white light in the morning to benefit from the alerting properties of blue light, to help eliminate sleep inertia. The simple and minimalistic design not only moves away from the medical aesthetic of the current products on the market but is also designed to structure the consumers sleep experience by removing any unnecessary functions.

The decreasing size of homes and access to gardens have resulted to a rise in the popularity of houseplants, especially succulents. **Jay** is a self-watering plant pot that aims to make a houseplant as easy to look after as your everyday cactus. The deep reservoir limits the constant need to water and creates the possibility of a simple hydroponic system. The versatile and simple design means that Jay effortlessly creates the perfect conditions for your plants to thrive – just add sunlight!

E t.i.pocklington@gmail.com
T +44 7794434463

Pocklington



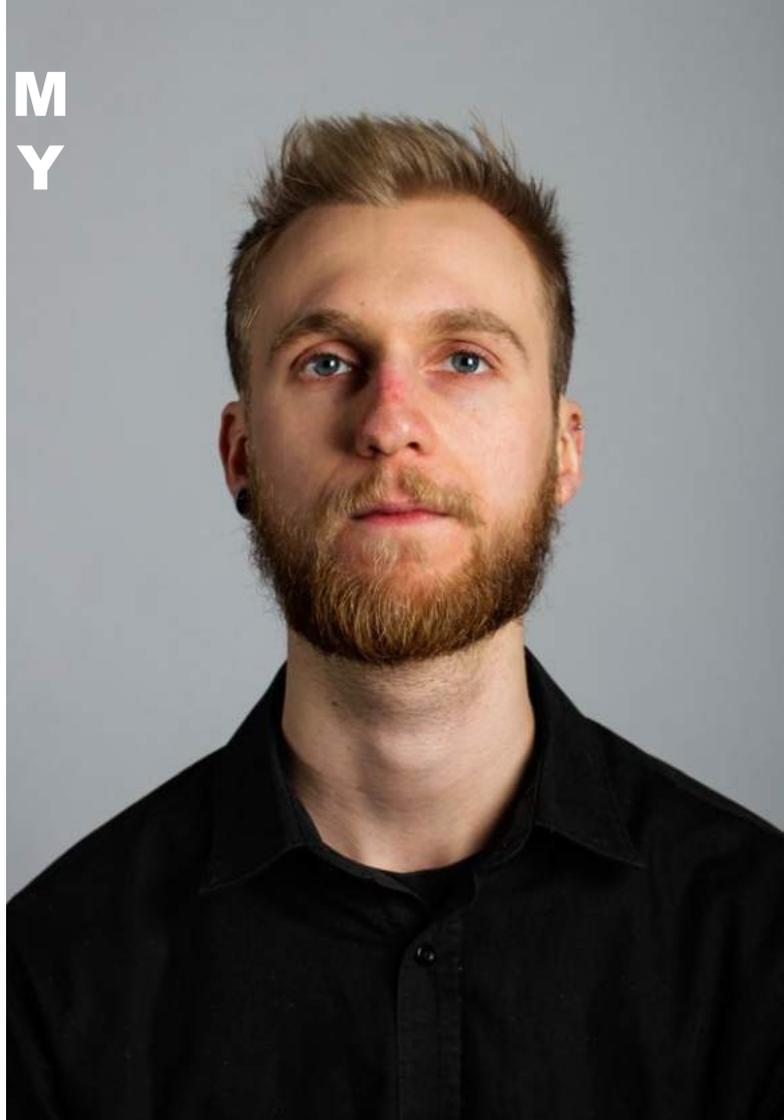


ADAM SEELEY

Palm is a collection - an experience. It's about taking a few minutes out of whatever you're doing to calm down and focus on something else. It's about getting lost in the textures, the sounds and the overall feelings of each individual piece. All eggs have been designed separately, with different existing coping mechanisms influencing each individual piece. So stop, take a breath, take your mind away from what you are doing, and enjoy the eggsperience.

Laminated Ash. As the title implies, this side table demonstrates the strength and beauty of bonding several layers of wooden veneer into one solid shape. Using the lamination process allows the design to be strong enough to withstand the uses of a typical side-table, yet still hold its more delicate curves. Ash wood was used for its more flexible nature, along with its more subtle colour and natural grain.

E a.seeley95@hotmail.com
T +44 7967602016





laminated ash

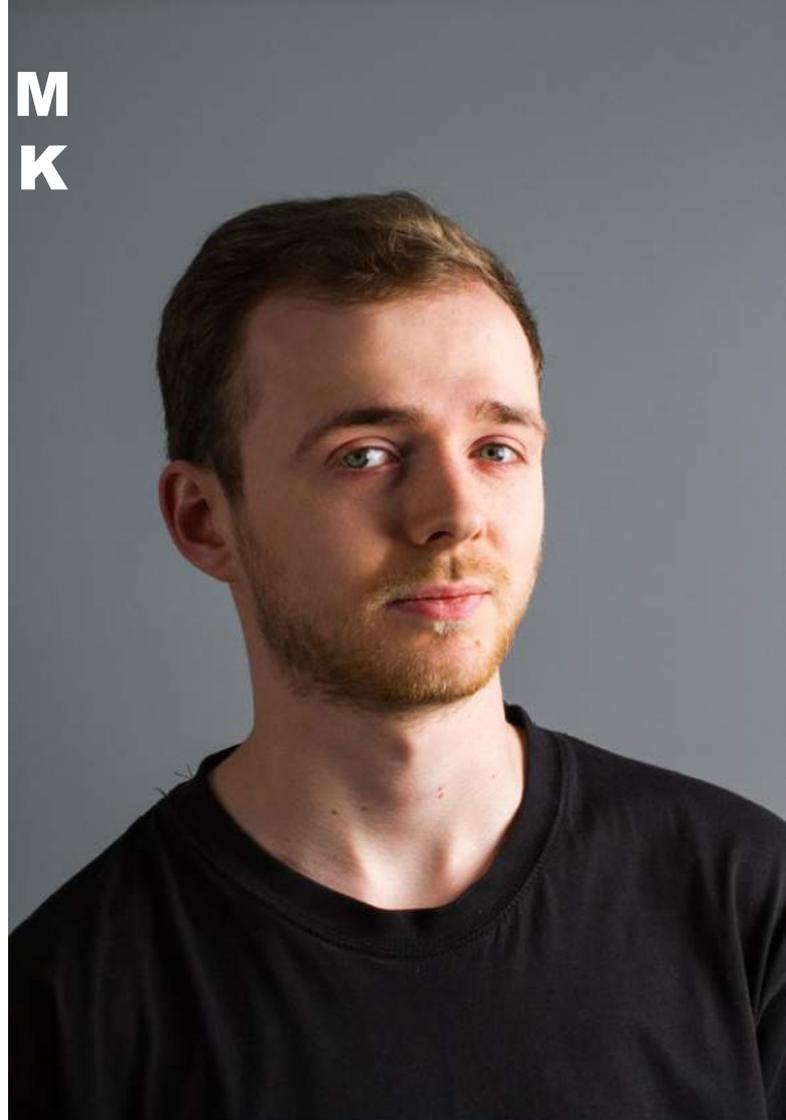


TOM SIMCOCK

Luminate is a lighting project that experiments with the use of casting as a process to combine the contrasting materials of Resin and Ash in a single body. The contrasting appearance of the blue resin with the light-coloured Ash leaves an aesthetic that can either be interpreted as the resin is what's cracking open and consuming the wood, or it's what's holding it together. This beautiful contrast of materials is highlighted further when power is applied to the bulb, with the blue resin glowing a pure, bright white.

Inspired by the Beanbag chairs of the 70's and 80's, **Amplezzo** (Embrace) combines the comfort of the classic Beanbag designs with the elegance of a modern lounge chair, turning what many would consider to be a childish or novelty seating option, into the main source of comfort and relaxation within the lounge. The shredded memory foam filled cushions rest on a frame of solid Ash. As the user sits and sinks into the chair, the armrests are raised to form a more structured chair body that moulds perfectly around it's occupant.

E tomsimcock96@hotmail.com
T +44 7515678879
S [instagram.com/tomsimcockdesign](https://www.instagram.com/tomsimcockdesign)





ADELE MARIE SISON

Alessia is a modular seating range designed for modern living. Inspired by a growing need for flexibility within the home, Alessia features arms & backs that can be clipped onto a steel base in a variety of configurations.

The square & rectangular bases can be combined to create a completely customisable seating experience. Occasional sleep has also been considered, with the base doubling as a mattress using plastic spring technology, and the cushions converting into a standard sized pillow and duvet.

The **Nomad Side Table** is a reaction to living spaces getting smaller, and a trend towards moving home more frequently. The removable legs are attached with a simple sliding slot system and can be stowed away for ease while moving. The legs lock into place with a tray that creates an area for hidden storage, specially designed to house a laptop, and the table top detaches and becomes a hinged tray.

E adele@adelemariedesign.com
W adelemariedesign.com
S [linkedin.com/in/adelemariedesign](https://www.linkedin.com/in/adelemariedesign)

Adele



The
ALESSIA

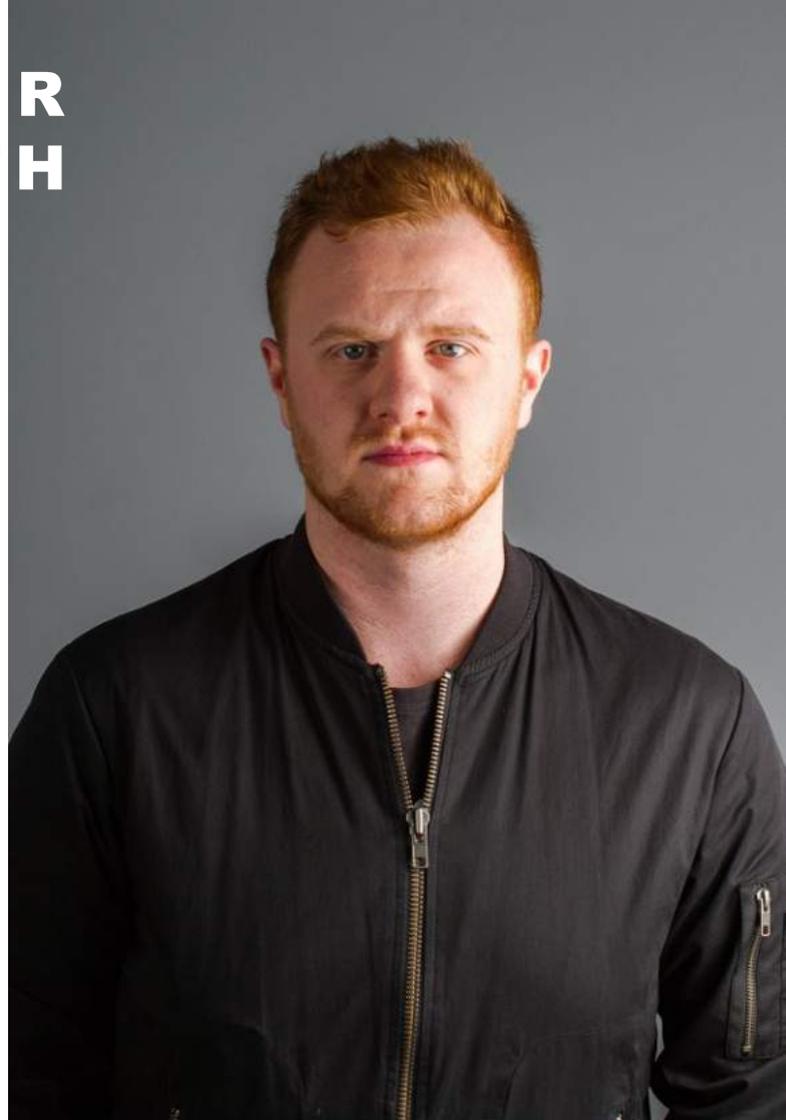


FRASER SMITH

The **Caerphilly Chair** (Y Cadeirydd Caerffili in Welsh) is a contemporary innovation and impression of the classic traditional Welsh Stick Chair. Constructed from local solid oak timber, freshly felled from the Ruperra Forest in the Caerphilly County, South Wales, it also includes tapered upholstery using a fabric of 100% pure Welsh wool, woven using traditional processes and machinery. The chair showcases many features which embrace Welsh tradition, but has been developed in design to suit the modern market.

The **Top Meddal** (Soft Top in English) Coffee Table displays a combination of upholstery, storage and manoeuvrable flat surfaces, designed to embrace both modern space saving functions and the informality of the modern living room. Comfortable upholstery makes it easy to put your feet up to relax fully, without the need for an extra footstool. The tray can readily be moved from side to side or placed on the user's lap for that relaxed leisurely eating in front of the television. Storage solutions are needed in the modern home and therefore the extra space saving functionality provides a most welcome feature.

E frasersmith96@hotmail.com
T +44 7979 471155
S [instagram.com/fraser_smith_design/](https://www.instagram.com/fraser_smith_design/)





Caerphilly Chair

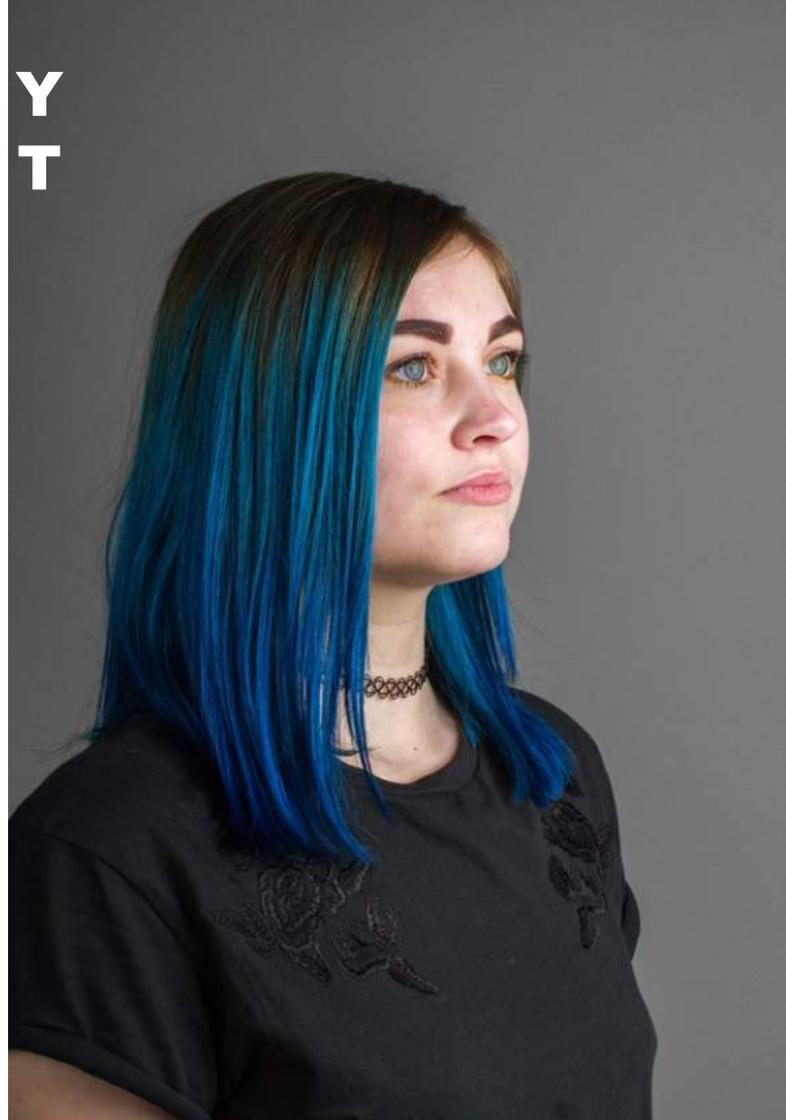
Top Meddal

EMILY STRUTT

Curi: a contemporary cabinet of curiosity. It is inspired by Wunderkammer of mid-sixteenth century Europe, which were collections of unusual and exotic objects. With its folding doors and sliding hinges, Curi gives you the choice to display or conceal your personal belongings and sentimental treasures with ease. A combination of ash, glass and steel, the storage piece is suitable for any modern home. The bright colour pop interior can be personalised for the user. This makes each cabinet unique, representative of the user's character and act as a form of self-expression through furniture.

illume is a concept lighting piece inspired by Nottingham lace history. The pattern gives reference to a design by Cluny Lace Company, the last lace makers in Nottingham. It is made of clear acrylic hung from an aluminium rod which houses the LED elements. The acrylic has been manipulated by heat and machined with laser etching to give it its flowing lace material look. illume's elegant waves and ability to be scaled up or down make it suitable for use in commercial, gallery or private spaces.

E emilynstrutt@gmail.com
T +44 7715 284895
W emilystrutt.com
S instagram.com/emilystrutt





Curi

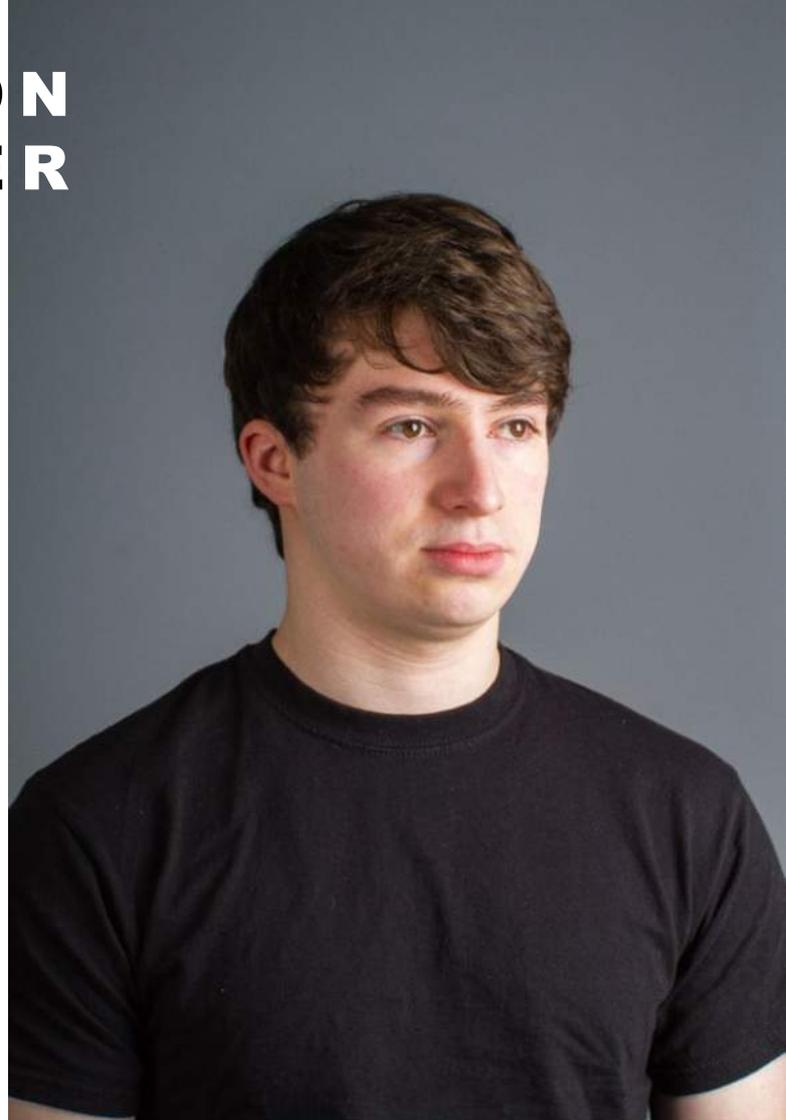


SIMON TAGGER

Table 45 was inspired by an exploration into cradle to cradle design principles for my dissertation. This highly sustainable way of thinking demands that all stages of a product's life should be considered in design to eliminate waste. Table 45 has been designed to reflect the strengths of a sustainable product, Richlite, whilst offering a sleek modern design suitable for a family dining space. Using no glue or traditional knockdown fixings, table 45 is a flatpack modular design with reusable components which extend the product's lifespan.

Polyurethane Lights. These contrasting pendant lights are the result of exploring the properties of a polyurethane resin, wood waste and water mix. The resulting material can be moulded and shaped. Each light was produced from a different casting process to explore the materials versatility. The rough finished pendant was formed around a mould by hand, while, for the second, a blank was cast and then turned on a lathe. These contrasting pendant lights are designed to be hung over a dining table as a statement piece.

E simon.tagger.1@gmail.com
T +44 7762 825546
W taggerdesigns.co.uk
S [instagram.com/simontaggerdesigns](https://www.instagram.com/simontaggerdesigns)





Polyurethane Lights



MEGAN TRIPNEY

Finned is a designed response to the global issue of shark finning. The practice where a shark is caught, dragged onto a boat and while still alive has its fins sliced from its body. 73 million sharks are fished from our oceans every year putting species and the ocean's ecosystem at risk, all for shark fin soup. Finned is a scalable chandelier where each steel pendant represents a shark body. The slots on each pendant are cut in a pattern that matches the arrangement of the fins on a shark. Steel patinas have been used to give the appearance of a shark's skin on the outside and red to symbolise blood on the inside. By putting a light in the shark body it showcases the wasted part of the shark in the finning process, confronting the public with the issue.

Body is a succession of ceramic flower vases that celebrate the process of nature slowly taking back manmade structures – ecological succession. Each vase represents a passage of time on this journey. This is demonstrated by the progressive use of darker and less refined clay bodies, as well as the degradation of the surface texture and structure of the vases.

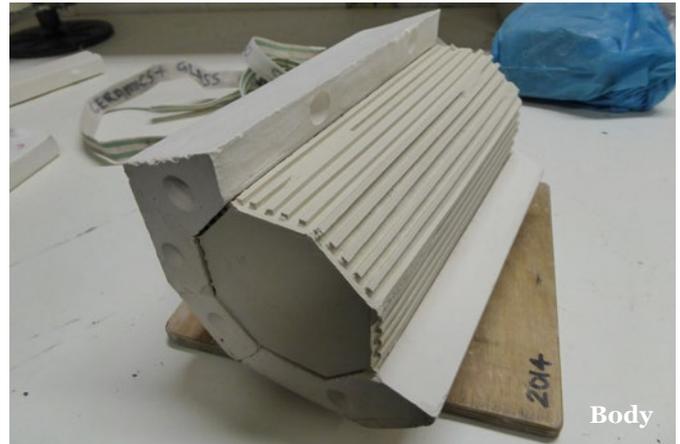


E megan.tripney@hotmail.co.uk
T +44 7928 209800

A handwritten signature in black ink, appearing to read 'Megan Tripney', with a horizontal line underneath the name.



Finned



Body

HENGXIANG WANG

The increased use of screens emitting their bright light, is blurring the distinction between work and leisure. This lamp can provide different types of colour to affect a consumer's mood and change the atmosphere in the room, feeling peaceful and calm. This **Mood Lamp** is designed for creating a peaceful and happy ambience within the room by a series of coloured light. It is able to be placed in several different places and gain the best visual effect when set in a corner and against a wall. The light source can relax a user's body and mind to relieve the stress from work or study.

The **Slidecab** cabinet is not only for display, but also conceal. It contains Chinese elements, combined with contemporary design philosophy. The user can store private items behind the drawer or place in the middle for display. Walnut fronted doors emphasize the visual effect, whilst referencing traditional Chinese furniture. Slidecab is a contemporary piece of furniture for the living room, the beauty of this furniture is to provide the function of display and hide.

E hengxiangwang96@gmail.com
T +44 770 6618080
S instagram.com/nick_whx





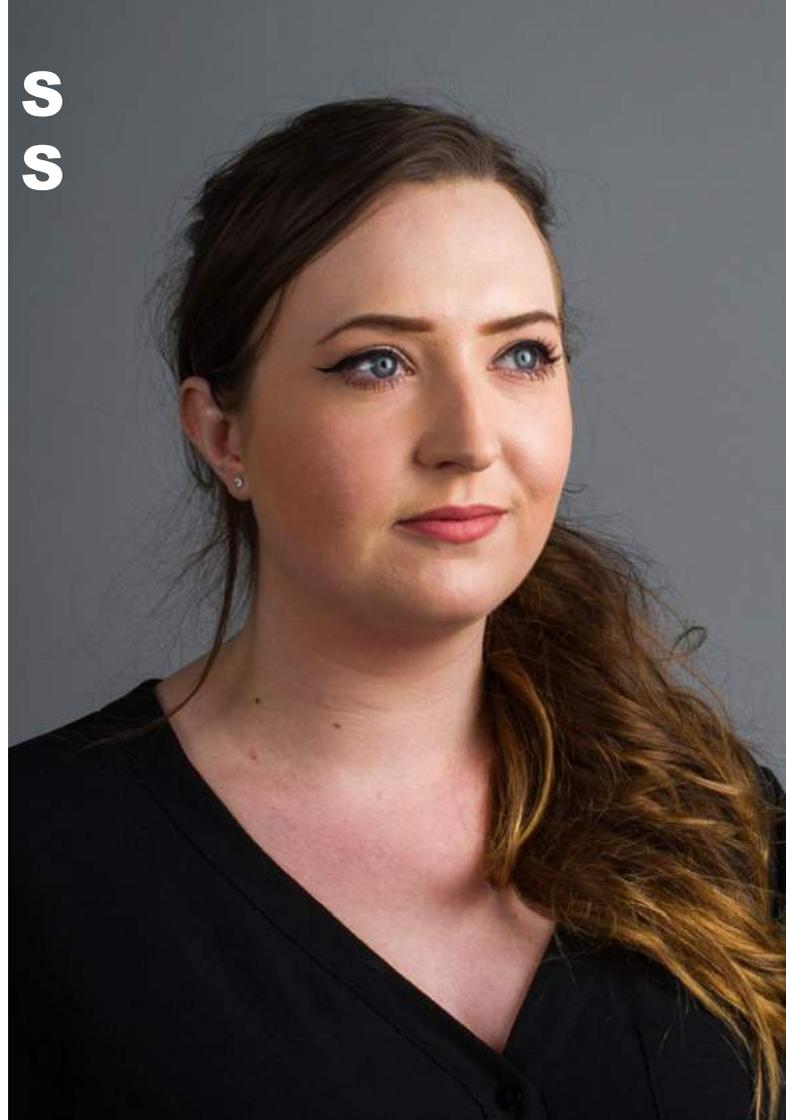
FRANCES WILLIAMS

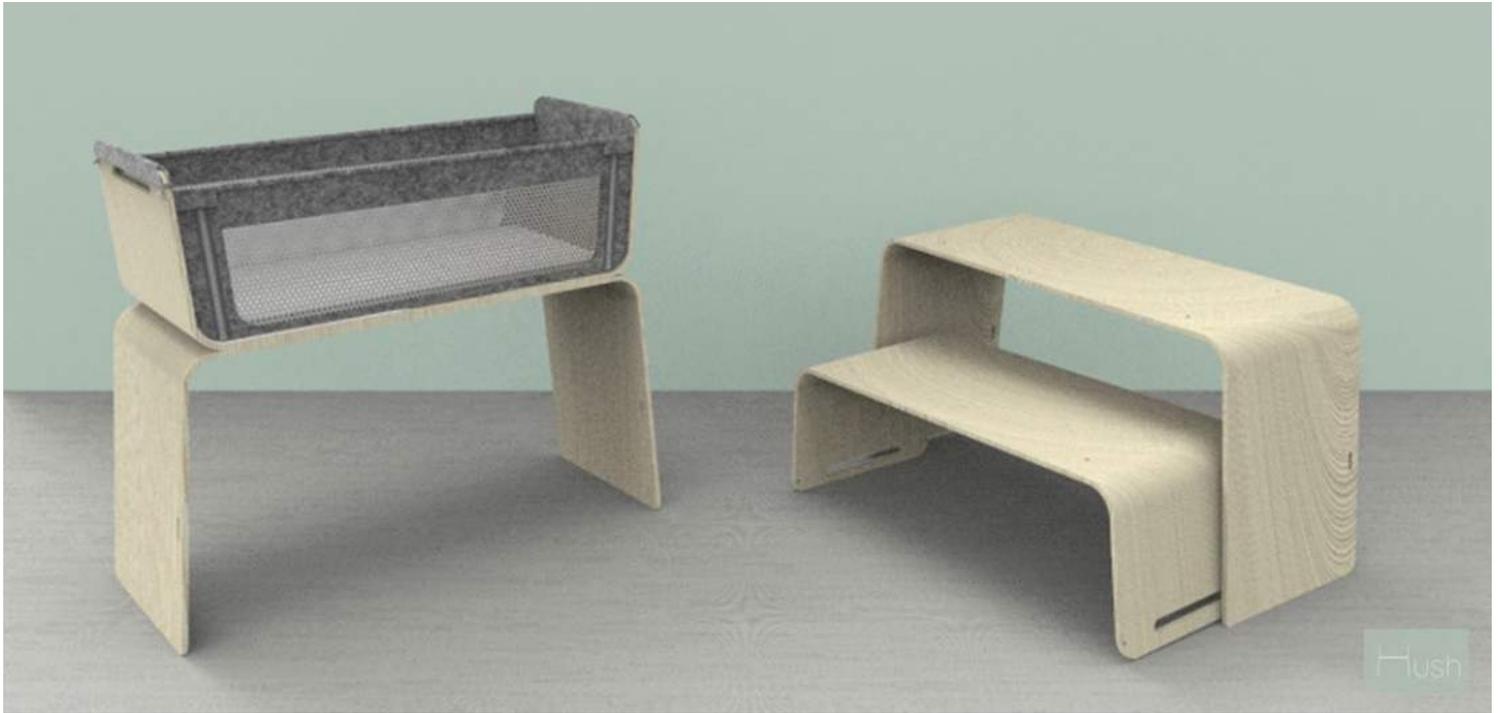
Candela is a vintage elegant table light, which allows the user to adjust the light's brightness to their preferred choice. People like to be able to adjust lighting warmth, brightness and the area coverage of a light. Candela is able to manually adjust the brightness of the light emitted by using a moveable shade to reduce the light. The user twists round the walnut structure to move the frosted shade, to transform the light into an ambient light.

My passion for sustainability and children's design can be seen within **Hush**. The aim of the project was to produce a piece of nursery furniture which can be used further than its current short life-span. A baby crib, no longer life-less after 6 months, can be transformed into a children's desk to be used in the nursery once again. Hush, is also a bedside-crib, with a detachable side panel and bed straps to provide support for c-sections and breastfeeding. A snug wool-felt insert and mesh sides make it easier to observe the baby from bed height, all of which can be detached from the frame to form the desk.

E frances.grace.williams@gmail.com
T +44 7583 162098
W linkedin.com/in/frances-grace-williams
S instagram.com/f.williams.design/

f.williams





JOE WONHAM

Strata is a set of pendant lights, each unique design is algorithmically generated and assembled by hand from laser cut, corrugated cardboard. Strata aims to increase the user's interaction with the light; each layer of cardboard is rotated slightly so that different lighting effects can be observed by moving around the light. The project aims to allow each strata light to be designed by the user through a mobile or web app, where by controlling variables a user can create their own Strata Light and be included in the design process.

The **Eris** barstool explores the aesthetic and structural capabilities of expanding, polyurethane foam. The concept behind the design was to invoke a conflict in the emotional response in the user, through the contrast between unpredictable, random elements and clean lines and regular geometry.

The frame is machined using 3-axis CNC routers in solid ash, and the seat is cast in an open top mould around the frame. An internal structure allows the foam to bond to the frame.

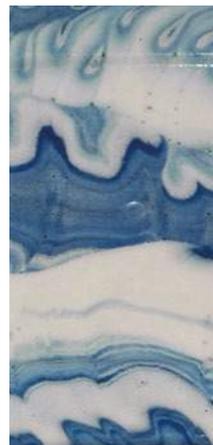
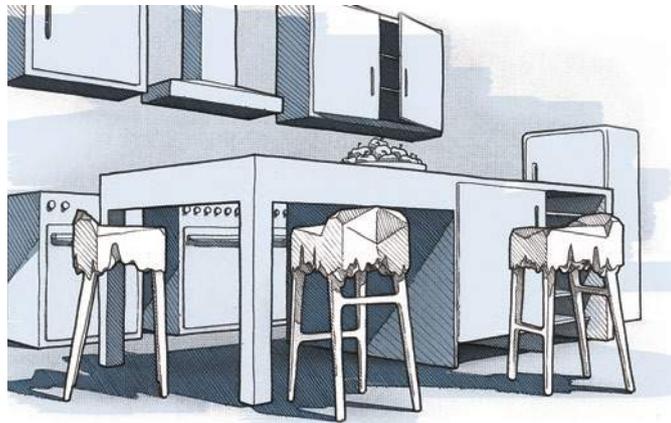
E jwonhamdesign@gmail.com
T +44 7552 653005
W joewonham.com
S [instagram.com/joewonhamdesign](https://www.instagram.com/joewonhamdesign)

J. WONHAM





STRATA



Eris
COLLECTION



JI AWEI WU

Tripod is a project that attempts to innovate the traditional design of a clothing rack. In order to bring it into our modern living environment, it is designed in a very minimalist fashion. All the pieces service for its function and the uncommon triangular shape enables Tripod to do its job while occupying very little space.

Later, I created **FIN**, inspired by a ground level sofa. FIN is a combination of chaise lounge and sofa, covered by blush velvet. A contemporary and playful design can be sat in various manners. Also, providing a welcoming and relaxing experience that defines a home.

E warren5deisgn@outlook.com
W 5warren.wordpress.com
T +86 13620 388388





Tripod



FIN

TARA YEANDEL

Knott is a piece of conceptual seating that focuses on providing the user with a comfortable experience. This has been achieved through the cushion of the sofa as it is wrapped round the steel frame that is partly exposed. Due to the unique cushion finish it allows the user to adjust their position without compromising their comfort. The soft finish and inviting colour of the velvet fabric used for the cushion compliments the comfortable experience.

29 is a statement pendant light that has been designed for a domestic environment. The design of the light is minimal and created through the manufacturing process of metal spinning. This was the chosen process because it would create a more organic shape, as this matches the patina which is a natural process. However, the inside of the light is a polished finish, this was done so that a warm glow is emitted.

E tara.yeandel@gmail.com
T +44 7837 998459
S instagram.com/tarayeandeldesign

TARA YEANDEL



Knott



BA FPD 73

BA PRODUCT DESIGN

FOREWORD FROM PAUL KENNEA
PORTFOLIO OF WORK



PAUL KENNEA

BA (Hons) Product Design final year Module Leader

First of all, may I express my heartfelt gratitude to all staff that have had a hand in making this final year an enriching experience for the students.

Having had the privilege of working within the department of Product Design at Nottingham Trent University since 1998, a student from 1991, I can honestly say that what makes this job special is the privilege of being surrounded by the creative, the inquisitive, and the passionate.

This final year's cohort of students have evidenced all of the above. I've enjoyed their discussions, witnessed creativity, tempered with practicality. I've shared their high moments, but also their low points, seen this overcome through perseverance. I've observed within the student body a growing sense of self belief as the year has progressed. The transition from Student to designer has never been more evident. I've been impressed by the way they have coped, by the sense of solidarity within the year, to help others in need. To pull together.

I liken the final year to that of the Steeplechaser. Starting off with a burst of speed, the runner finds their own cadence. To remain consistent, have good stamina, an even tempo, to cope with the occasional bump or collision. When hurdles occur, they are dealt with in a professional manner, and though they may sometimes fall, to brush themselves off, get up and start again. There is always an objective, and they never lose sight of the end, though at times it seems a mile off. They are part of a group, and yet the journey is theirs alone. The final dash has as much passion, as the opening meters. When the finishing line is reached, the journey ends but the reflection just begins. Is that the best they can be? The joy is being a part of the race. Well done worthy competitors/designers.

A fond farewell to the graduating Product Design BA class of 2018. May you find your own cadence in life.

Falkenna.



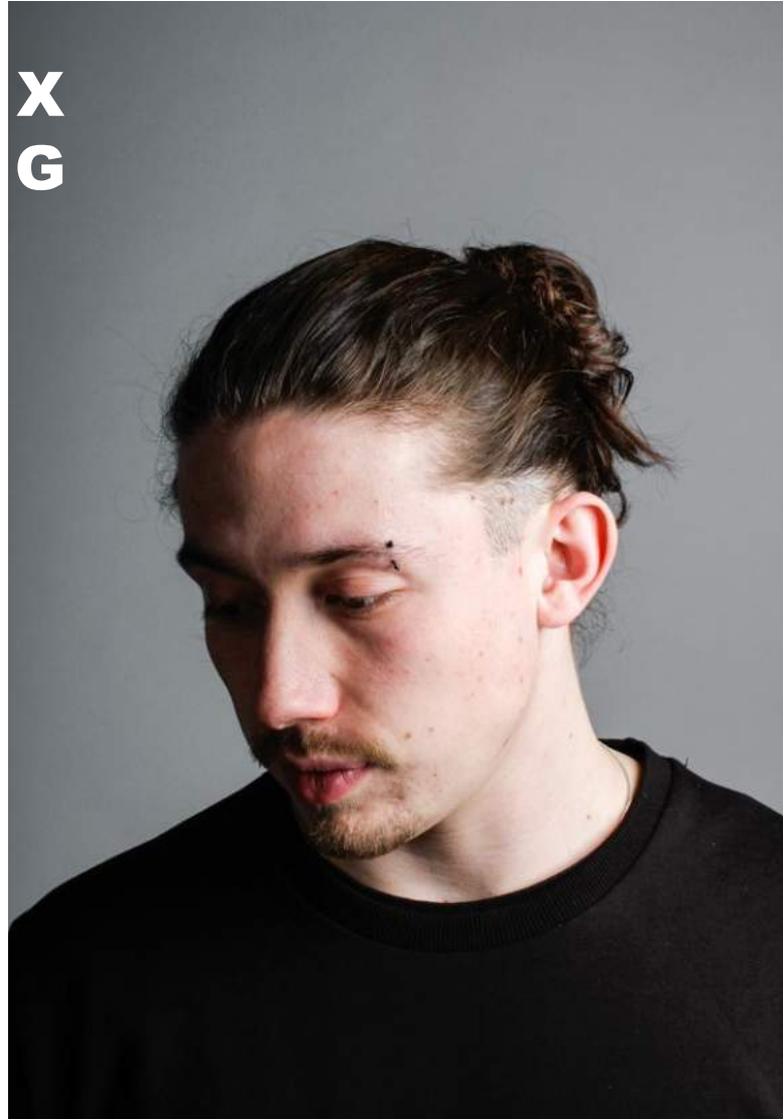


MAX ARMSTRONG

Networking technologies such as super-fast broadband and wi-fi mean that more of the devices we use are connected to the internet than ever before. This technology has been positively transferred into the now, 'connected kitchen'. **Connected Kitchen** is designed to help you reduce household food waste and let you keep track of what is in the fridge. Each item is then organised by the easy to read, magnetic screen into order of expiry. Say goodbye to food waste.

The **Breathe Smart Inhaler** looks to introduce smart technologies to increase efficiency of inhalers. This aimed to help users day to day and also reduce costs on the NHS. The Smart Pod and Smart Inhaler streamlines the process of going to the doctor as this could all be monitored by the GP after the data is uploaded to the cloud. This occurs when the Smart Inhaler is placed onto the Pod. The aesthetic also challenge how an inhaler can really look and function.

E maxmaxarmstrong@gmail.com
T +44 7983 208402
W maxmaxarmstrong.com
S instagram.com/maxarmstrongdesign



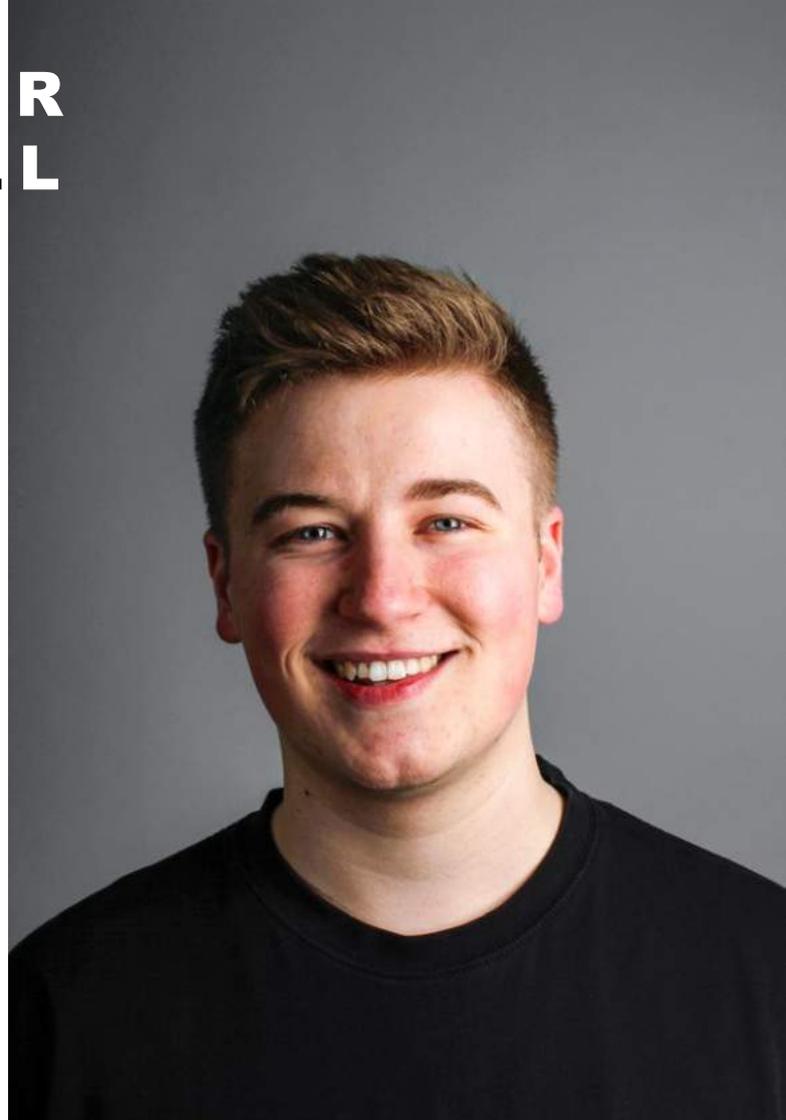


ALISTAIR BACKSHALL

After recognising how dog owners dislike leaving their dogs home when they're away, I developed **TreatSeek**. TreatSeek is a hide and seek activity for your dog when they're home alone. You receive three, easy to set up, devices that you can position around your house, you fill them up with standard solid dog food, and activate it when you leave the house. TreatSeek will distribute treats in a pattern between the three devices throughout the day, and the user can control treat patterns and check activity on the mobile app. TreatSeek works successfully to reduce separation anxiety, keep dogs mentally stimulated and active while you're out of the house, and most importantly increases dog happiness when left alone.

Save Water with Walter is a promotional product, distributed with the water bill, designed to help families and young children use less water in the bathroom. You receive Walter in the post and construct it with your child, following the instructions on the phone application. You then place Walter somewhere in your bathroom, and every time you see it you will remember to use less water.

E alistair.backshall@gmail.com
T +44 7725 464112
W behance.net/AliBackshallDesign
S linkedin.com/in/alistairbackshall





TreatSeek.



HENRY BARNES

The Sommelier is designed to address oenology with this timeless corkscrew. It was created to encompass the experience of opening, pouring and drinking a bottle of wine. It provides not only an emotional connection to the consumer but with its hand-made design, provides an excellent example of manufacturing and materials and shows off its Anglo-French heritage. Created with the same level of care that the connoisseur has for his collection, it is a fitting tribute to the glorious world of wine

The design and aesthetics of **Kreative** are supposed to be an outright statement; a reflection on the designer's personality. The purpose of Kreative is to enable the user to be more creative with their thinking, through the visual bold and varying shapes, the physical interactive nature of the design and the stimulants from the finishes, textures and materials used throughout.

E henrybarnesdesign@gmail.com
T +44 7797 749308
W [linkedin.com/in/henrybarnesdesign](https://www.linkedin.com/in/henrybarnesdesign)
S [instagram.com/henrybarnesdesign](https://www.instagram.com/henrybarnesdesign)





The Sommelier



KREATIVE

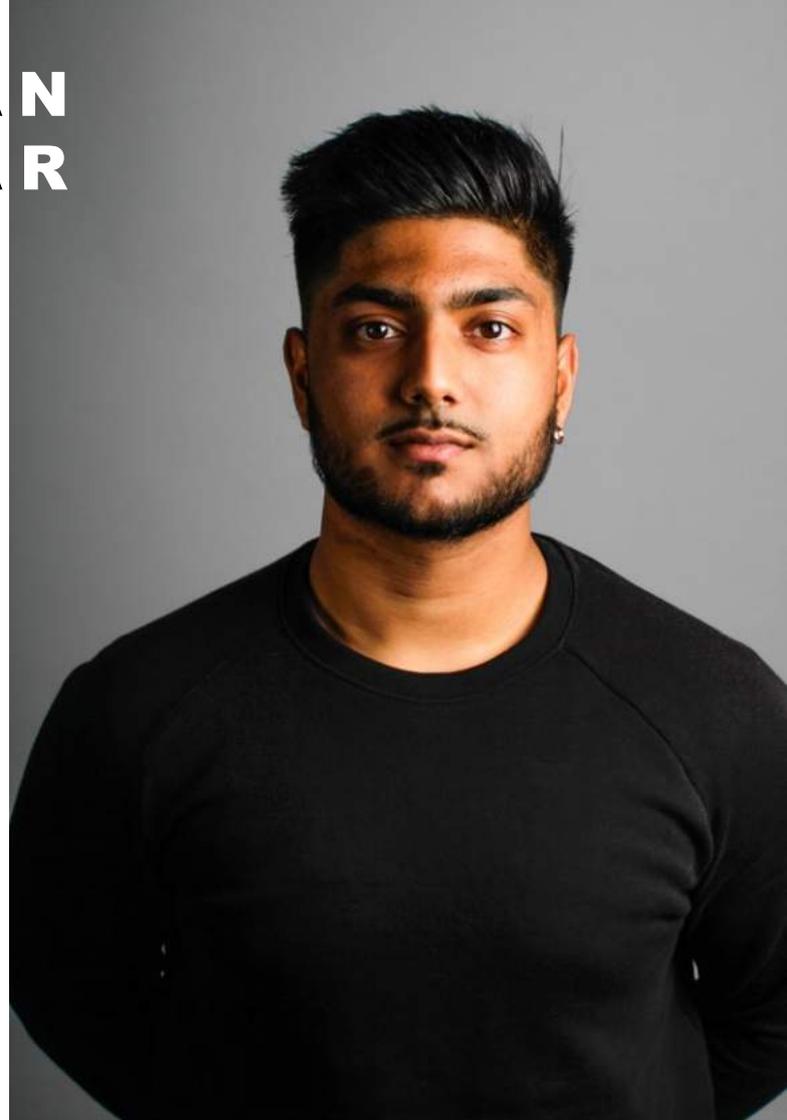


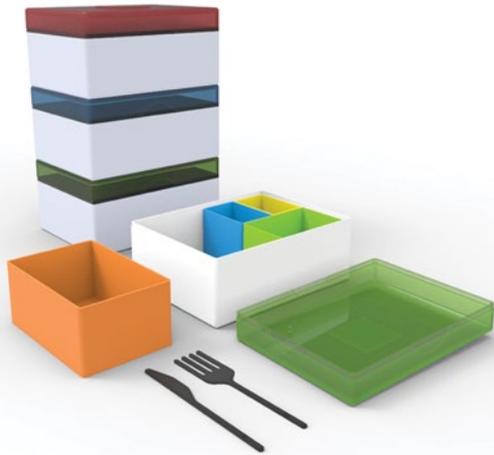
MILAN BHAVSAR

LICHT is a floor lamp, which had been created to illuminate the surrounding environment with mood-lighting. The sleek, minimalistic style is inspired by Scandinavian-design.

HealthyU. The project background derives from the rising numbers of university students suffering from a form of anxiety. Students have the notorious reputation for having poor diets for numerous reasons ranging from a lack of cooking knowledge to laziness. HealthyU is a product and service which teaches students how to cook nutritious recipes and portion meals which have been specifically tailored around student routines and budgets. HealthyU is both a downloadable application and tupperware container, which will point students in a positive direction for improving their mentality and health, while expanding their cooking skills, leaving them more confident in the kitchen.

E mbhavsar123@hotmail.co.uk
T +44 7586 96193
W [linkedin.com/in/milan-bhavsar](https://www.linkedin.com/in/milan-bhavsar)
S [instagram.com/MilanBDesigns](https://www.instagram.com/MilanBDesigns)





HealthyU



LICHT

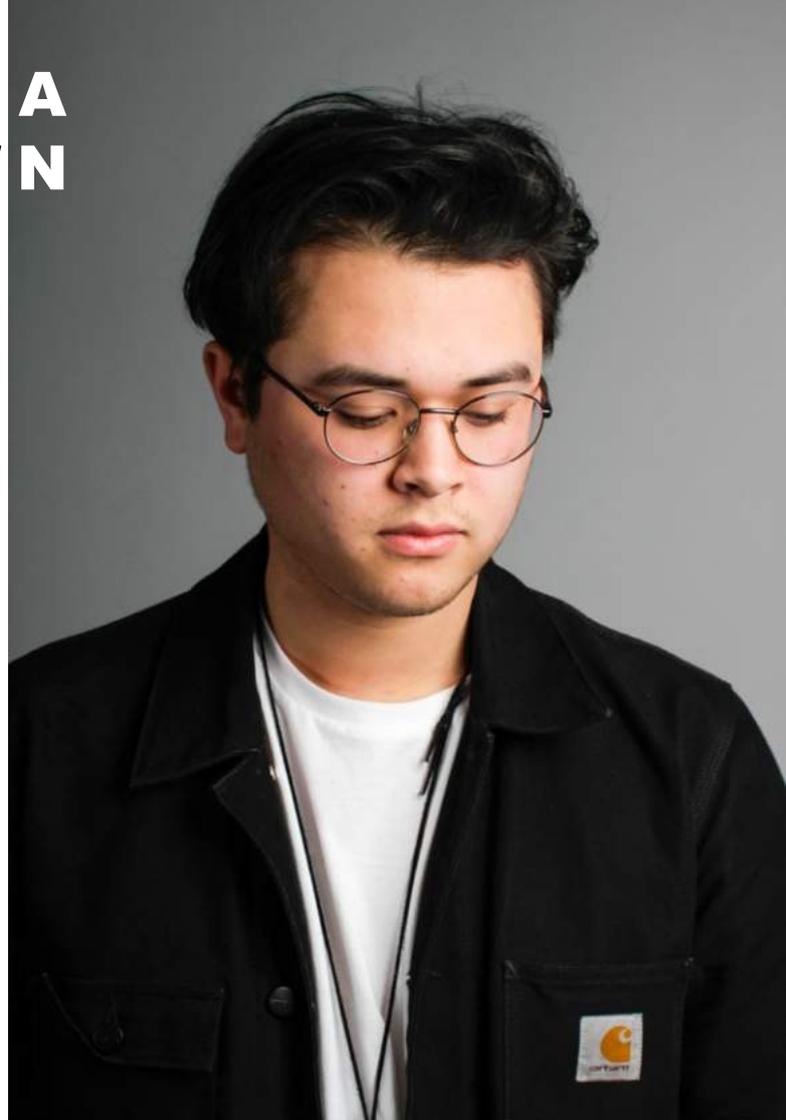
RAMA BOWN

Sono was the outcome of a project undertaken in collaboration with **Kast Concrete Basins**. The brief was to design and create a concrete basin aimed towards a wider more commercial market.

Through the introduction of modern manufacturing processes, the project was able to show the public how versatile 'liquid stone' can be. The defining feature of the Sono basin is the sweeping curvature of the internal bowl which creates a striking visual contrast to the refined edges. The product shows off the exceptional qualities of concrete, which allowed the design to follow a very unique and distinctive shape, whilst providing a fresh product that Kast can add to their existing range. With fluid form, it highlights the versatile adaptability of concrete which combines the characteristics of natural stone with the flexibility of precision-casting into any shape.

Sono had its public launch in early May 2018 as part of their basin range and is currently available to the market.

E ramabowndesign@yahoo.com
T +44 7811 601731
W linkedin.com/in/ramabown/
S instagram.com/ramabowndesign





Kast

BA PD 89

HARRY BOYES

The **Manta** backpack utilises modularity to make adventure sports more personalised and accessible for people new to the outdoor environment. Having marshalled at numerous trail running events, I realised just how diverse and confusing it can be finding the right bag for the day ahead. The modular system encompasses a variety of zip connector pockets, ranging from compact hydration packs to larger day packs for bulkier items. This ensures an enjoyable and tailored user experience is attained in inclement conditions, promoting performance and comfort as key features within the design.

Pebble has been designed to combat the different stages of a panic situation and makes the user feel more reassured. The design encompasses a two part system. During an attack, the Pebble product ensures the user's mind is distracted from anxious thoughts through sensory stimulation. Once the attack has passed, the user can interact with the Pebble App to further recognise their thoughts and triggers, encouraging more efficient self-management techniques through positive reinforcement.

E hboyes96@hotmail.co.uk
T +44 7875 682109
W harry-boyes.myportfolio.com
S instagram.com/hbproductdesign

HB.





JUGJEEVAN BRAR

AMICA is a smart toy designed to aid children on the autism spectrum in learning facial expressions whilst developing their emotional understanding. Background research highlighted a communication barrier is often experienced between the parent and child which causes a strain on their relationship. As a result the digital experience of **AMICA** has been designed to integrate the parent with their child's journey as they grow, providing a companion for the child and support for the parent.

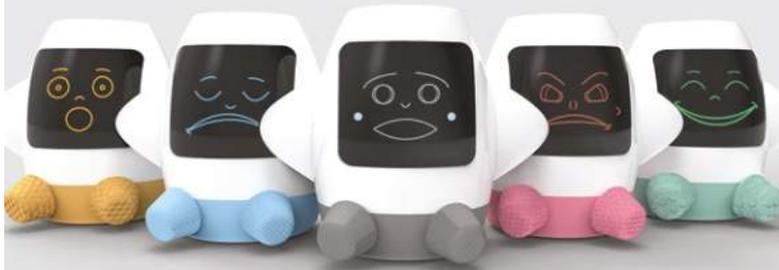
A key emphasis of **LUMI**'s design was placed on improving an outdoor enthusiast's camping experience. Featuring glow in the dark guy lines which use MOF nanotechnology to offer insect repellence, innovatively designed tent pegs and rope tensioners which come pre-attached to the guy lines are also provided. **LUMI** efficiently reduces the pitching time of your tent in addition to making the adjustability of the slack a stress-free task. The outer shell can be used as a nightlight which also displays step by step illustration of three key knot variations etched on its back.

E brarjugjeevan@hotmail.co.uk
T +44 7947 726731
W brarjugjeevan.myportfolio.com
S [instagram.com/jbproductdesign](https://www.instagram.com/jbproductdesign)





AMICA



LUMI

JAMES BUTTERWORTH

Long workdays and inflexible sleep patterns are now something of the past, through a future branding project **Waterstones Cultural Adventures**. The concept is a subscription service that will allow users to get a good night's sleep through the combination of both 'tea and book' therapy - an ability to disconnect from the real world of stress and building pressures. Experiencing culture through tea and graphical journeys, allows individuals to escape from the world of mounting pressures and go to sleep on a clear mind.

As the rise of dogs who suffer from anxiety is a growing problem within dogs left home alone today, **The Dog Layer Co.** is a built supportive collaboration between product and community to challenge this. The project focuses around three main layers; physical acupressure therapy, emotional connections to home and social interaction to others when separated from your fluffy companion throughout the days, to raise them in the best possible way.

E jabutterworth.design@gmail.com
T +44 7528 713826
W [linkedin.com/in/jabutterworth](https://www.linkedin.com/in/jabutterworth)





THE DOG LAYER CO

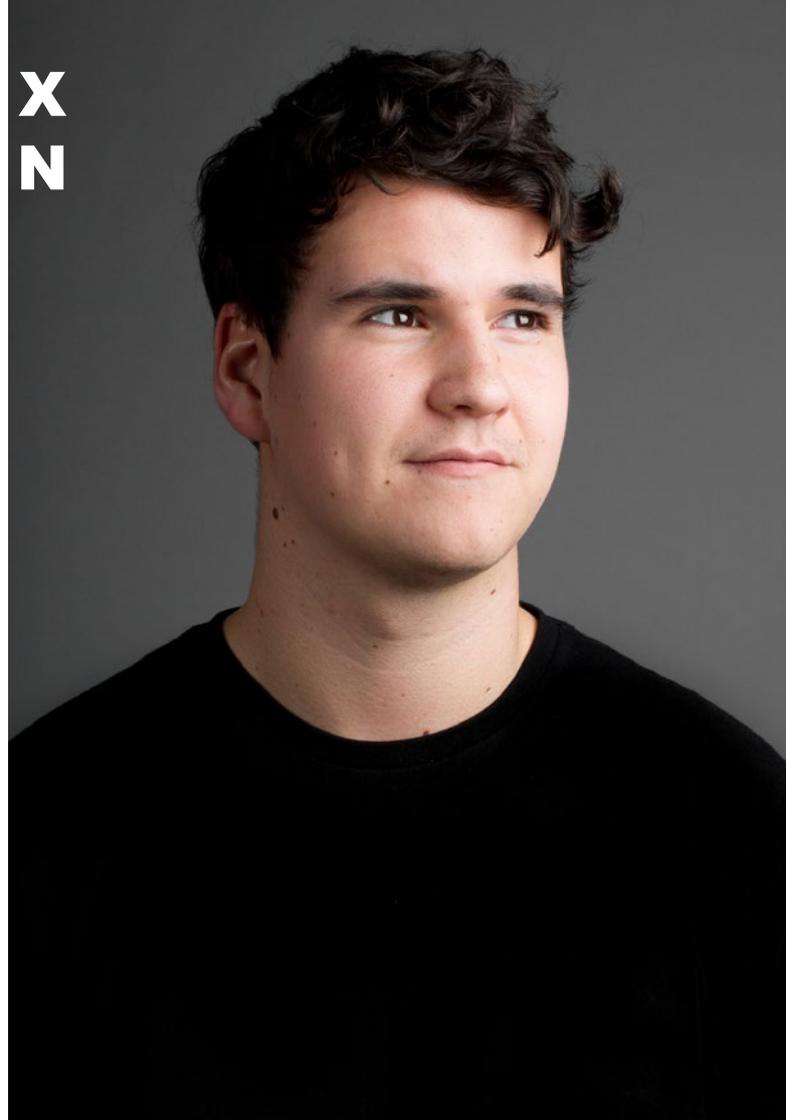


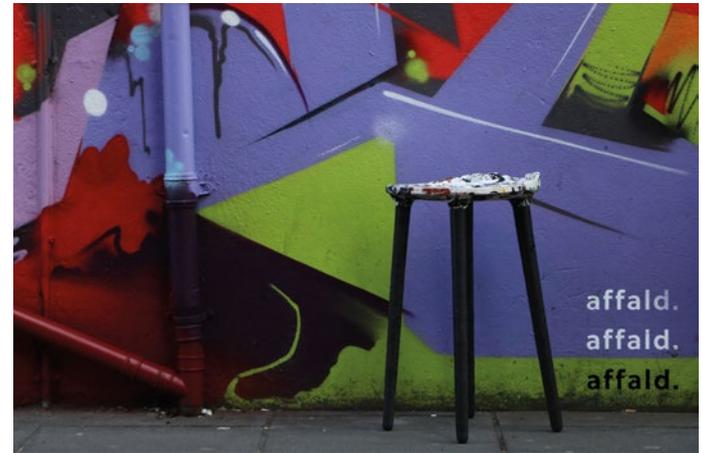
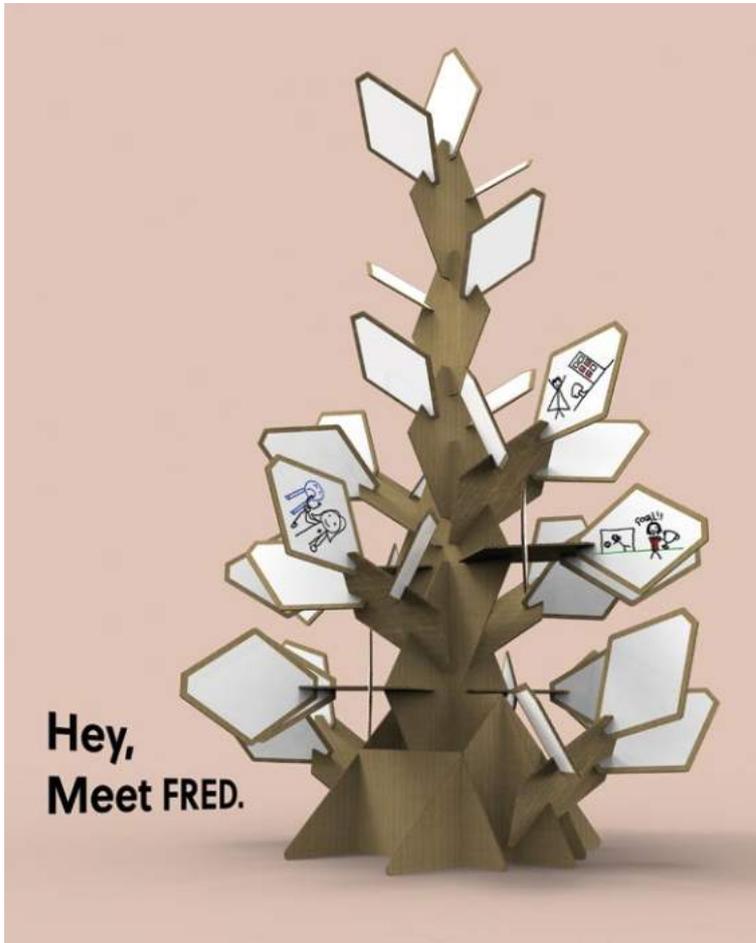
ALEX CHRISTENSEN

Affald aims to improve perceptions of using waste material in the products we interact with daily. Affald was crafted through press-moulded, HDPE containers straight from the local industrial recycling estate's excess waste plastics to create the irregularity and ugliness that gives the chair its living character. Affald asks the user to fully embrace the waste aesthetic with a stool that presents its origin and journey on the exterior with pride.

FRED is the product of the exploration into how we can reframe child mental health support within the school environment. It consists of cardboard pieces that slot together to form a low-cost tree that, through supplemented activities, facilitates doodles and discussion around the important topics of mental wellbeing. Available through open-source development, schools can either purchase the cardboard sheets or download templates to create the tree themselves. Through fostering peer-to-peer discussion and understanding, FRED can be the medium in which students communicate their feelings openly with a little bit of fun thrown in.

E alexborritsc@gmail.com
T +44 7522 716 444
W alexanderbchristensen.myportfolio.com
S linkedin.com/in/alexander-christensen





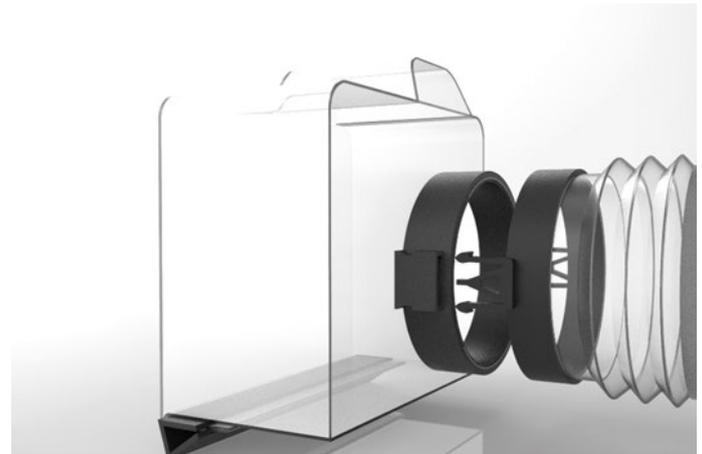
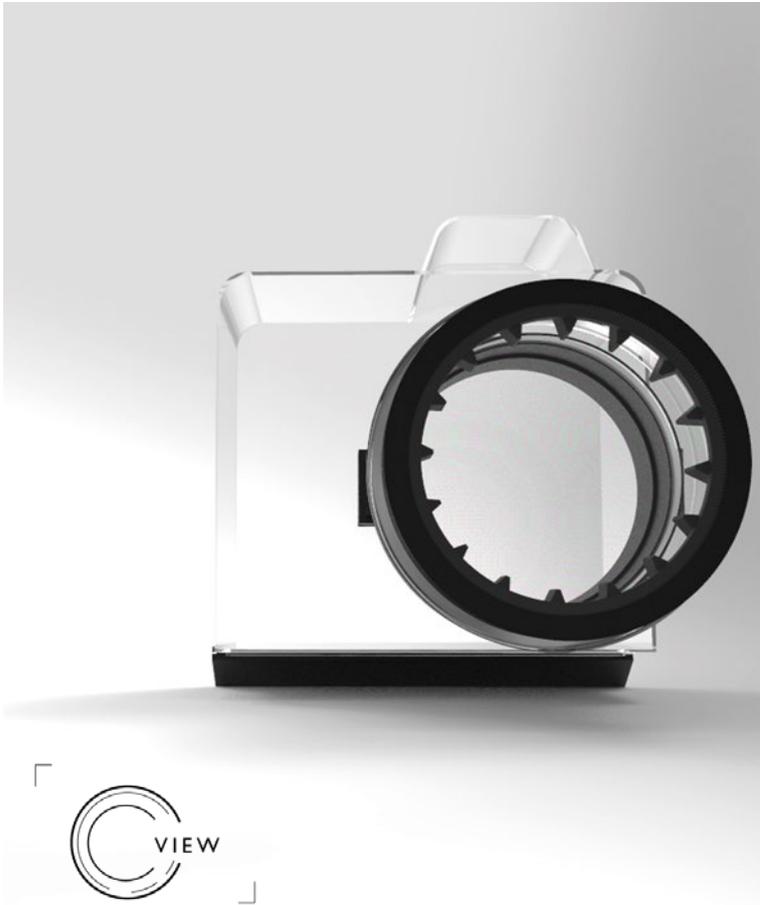
CAMERON CLOUGH

The **C-VIEW** underwater camera case is a cost effective more versatile underwater camera case in comparison to expensive single model hard case housing. This case aims to improve on issues with current soft plastic housing, the most important of these being ease of use of camera functions with particular importance on access to the focus ring.

By creating a modular design the **C-VIEW** case unlike expensive hard case housing can be adapted to many models of DSLR's and differing lens sizes. The standard kit size is suited for entry level DSLR's as the target market for this product is adventurous amateur photographers who enjoy photography as a hobby. Not only is this case suitable for use during underwater activities such as snorkelling but is practical for more mundane excursions such as to the beach providing protection from sand or on boat trips preventing splashing effecting the DSLR's functioning.

E cameronclough222@gmail.com
T +44 7799 452362





ZOE COOPER

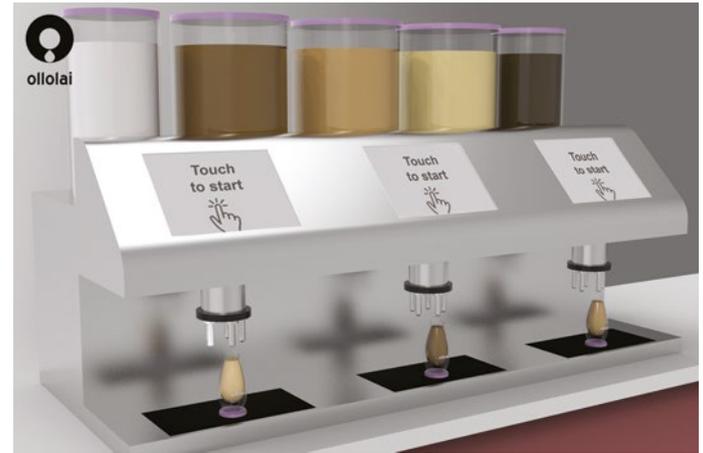
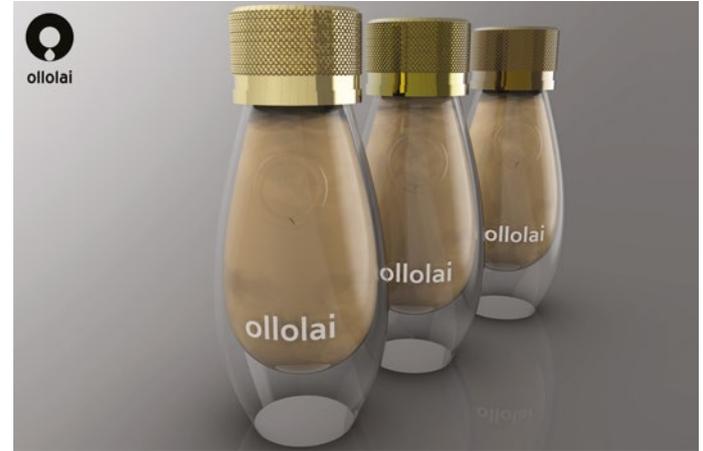
InHumane Plastics was inspired by the 'plastic era', where 12.7 million tonnes of plastic end up in the world's oceans each year. The individual elements of the light were made from waste plastic hung together to create the shape of a human figure, representing the shocking fact that plastics are entering the human food chain.

Ollolai is a refillable liquid foundation bottle, with the purpose of reducing single use cosmetic packaging waste. The glass bottle features a striking brass lid that beautifully ages as the consumer continues to use the bottle over many years, allowing it to have multiple lives. A specially designed spatula attaches to the brass lid allowing all of the foundation to be consumed with ease. To cater for every skin tone, Ollolai's refilling machine has three different foundation colours, which can be adapted using either a lighter or darker ingredient; this then allows an unlimited range of tones to be created.

E zoechristine03@gmail.com
T +44 7794 790505
W [linkedin.com/in/zoe-cooper](https://www.linkedin.com/in/zoe-cooper)
S [instagram.com/zoechristine_design](https://www.instagram.com/zoechristine_design)



InHumane Plastics



JAMES CRAWFORD

The Caliber Vinyl Media Unit is inspired by modernist and utilitarian design principles. Currently, modernism is not seen in contemporary vinyl record units. It was once the height of fashion to have a radiogram and Caliber is a revival of this popular furniture/entertainment combination. Catering for the market growth in vinyl record collection, Caliber uses materials and fabrication techniques which represent simple and honest engineered furniture. The unit is hand assembled and made to order, allowing users to tailor to their desired configuration.

Made from quality materials, Corian and powder coated steel, **The Tromsø Floor Lamp** illuminates open spaces, with eye catching colour. The lamp is designed with a modern take on art deco achieved with its continuous geometric patterned theme throughout. The colour choice is inspired by the Northern Lights. The shade is manufactured through CNC fabrication due to the composition and hard wearing nature of Corian. The frame itself is welded and sandblasted before powder coating to produce an even surface and high-quality finish.

E jdcrawford.design@gmail.com
T +44 7754 489629
W [linkedin.com/in/james-crawford](https://www.linkedin.com/in/james-crawford)
S [instagram.com/jamescrawford](https://www.instagram.com/jamescrawford)





JONATHAN CUSTANCE

The **Urbox** offers a solution to homes in urban environments that lack living space. To help aid home renovations and DIY around the house the Urbox transforms from a coffee table into a work bench, storage unit and step offering a safe place for the user to work. A clamp mechanism is built into the product to allow the user to gain more accuracy when working.

The **Hexetic** shelf is an interactive design inspired by auxetic structures and their unique negative position ratio. Hanging on the wall of a fixed centre point allows a free movement to expand and contract depending on what the user requires.



E jonathancustance@hotmail.co.uk
T +44 754 9625563

A handwritten signature in black ink that reads "Jonathan Custance".



Hexetic

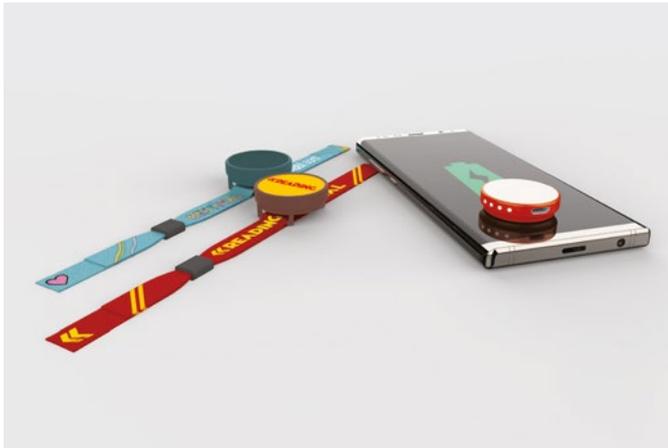
ALEX DAVIS

UK Mountain Rescue teams face extreme conditions and a variety of dangers on daily a basis. As a member of a Mountain Rescue team it is paramount that they are able to get to, and extract, injured members of the public as quickly and efficiently as possible. **Aquila** Mountain Rescue Support Wheels provide a simple and cost-effective solution to aid rescuers in carrying stretchers during long mountain carry offs. Combining a bent aluminium frame and a mountain bike wheel to provide support over long distances helping to avoid unnecessary strain or injury.

Spark is a wearable portable charger for adventurers and festival goers designed for situations where access to power is scarce. By harnessing an internal wireless charging system, the charger can give devices a crucial boost of power when they need it most. Spark can be housed in two separate silicone cases. The first allows it to be worn around the neck, hanging from a string necklace, and the second allows it to be worn around the wrist, either over a festival wristband during festivals or a purpose made strap.

E alexpeterdavis@yahoo.co.uk
T +44 7794 171153
S instagram.com/a.pd95





JACK DELANEY

When looking into the various causes and effects of sleep struggles, it was very clear from an early stage that stress is the number one reason for those sleepless nights. We overthink, worry, list tomorrow's jobs and even create as our mind wanders. Short term this is manageable, but it is common that people find themselves lying awake at night three to four times a week. The approach of this project has been to encourage people to de-clutter their mind at night by simply writing it all down.

Aesthetically driven by mid-century furniture design, **The Night Notes Table** is an elegant and simplistic bedside table with an angular face and softly tapered legs displaying a clean and timeless profile. A hidden flatbed drawer pulls out triggering a motion sensor, dim ambient light allowing you to jot any late night notes down without disturbing your bedroom with an overpowering bright light. With an open storage space built in, you are able to keep the table top clear and free of clutter. Finally, the dark Melamine tone both contrasts the environmentally friendly Plywood frame and absorbs any natural light in the room.

E jackmdelaney@gmail.com
T +44 7884 126256
W [linkedin.com/in/jack-m-delaney](https://www.linkedin.com/in/jack-m-delaney)
S [instagram.com/adesignstudent_](https://www.instagram.com/adesignstudent_)





ASHER ERSKINE

Dodici (Italian for 12) is a mechanical support structure which allows the table to adapt from full to half size effortlessly. With a single movement, six arms rotate through 180 degrees of motion to provide a new platform for the second sheet of Borosilicate glass – ideal for larger scale work, or group projects. Originally inspired by the sculptural furniture seen whilst on placement year in Milan under Italian design studio Sawaya & Moroni.

Inspired by the future of outer space travel and life away from the familiar comfort of Earth. The project aims to tackle the associated psychological stresses experienced by those leaving home. Looking at the power of memories as physical manifestations, **HWWOME1** creates a multi-sensory experience reminiscent of home and the loved ones left behind, in one of the most extreme situations known to mankind. Supported by The British Interplanetary Society, the worlds oldest space advocacy organisation, and Peli, the worlds largest manufacturer of aerospace approved reusable plastic cases.

E ashererskine@me.com
T +44 7719 163009
W ashererskine.com
S linkedin.com/in/ashererskine





HOME¹



JULIAN FAUST

Karton is a lightweight DJ table, designed for ease-of-transport between venues for local young creative powerhouse, Mimm.

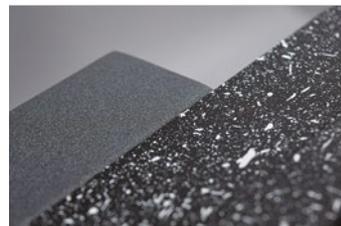
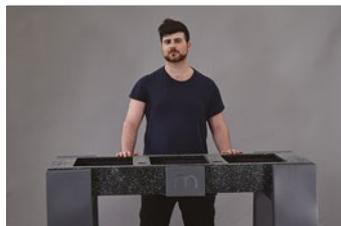
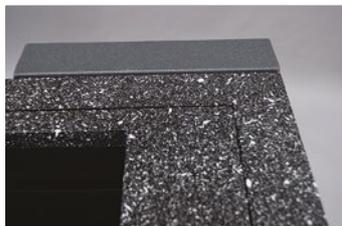
Mimm is a Fashion, Music and Art retailer, with its own record label and an eye for hosting unique events with top artists. It uses a multitude of venue spaces located all over Nottingham, so the portability factor of the DJ table was key in the design process, as well as a raw, underground and urban aesthetic, reflecting the brand's identity. Drawing inspiration from Mimm's SS18 line, as well as other designers from both product and graphic lines of work, such as Max Lamb and Mr. Penfold, giving the DJ table a striking finish to compliment the simple geometric shapes seemed like an ideal and on-topic avenue to pursue.

Coupled with the branded lightbox and laptop stand, the Mimm X Karton DJ table is a contemporary yet imposing piece of club equipment, just as comfortable in a loud, hot, low ceilinged club as it is on an up-market rooftop or chilled out green courtyard.

E julianmarcfaust@gmail.com
T +44 7990 744130
S [instagram.com/julianmarcfaust](https://www.instagram.com/julianmarcfaust)




x
karton.



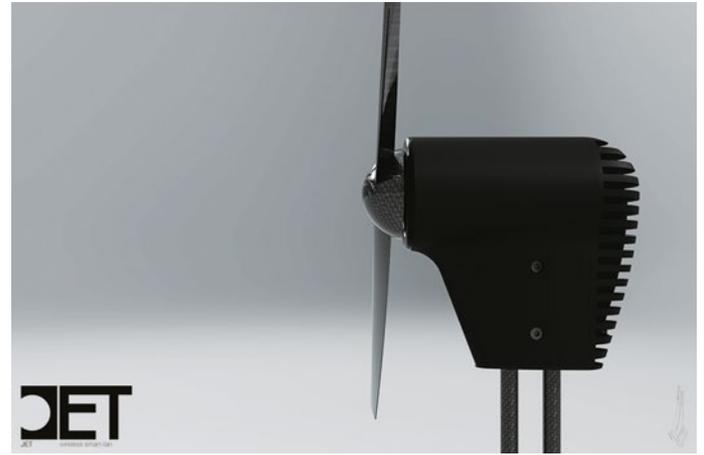
FELIX FENN-EVANS

JET is a remote controlled fan for large open plan spaces such as offices or galleries. By removing the standard clunky cage and instead, introducing sensors, the fan is able to turn-on using movement and slow down as someone nears the blades as to avoid harmful collisions. The form is inspired by aerospace design with soft flowing curves but with sharp detailing to reflect the imposing yet invisible visual input of a jet fighter.

The aim for the **Redsmith Drinking Set** was to develop a passion-brand that rewards its community of enthusiasts and keeps them invested in Redsmith Gin as a brand. The drinking set is a totem that takes inspiration from botanical glasshouses, and the Redsmith's homemade copper still as its main sources of inspiration. Included in the set is a mixing glass, jigger, stirrer and dried botanicals, all designed to convey the evolution of Gin throughout history as well as its connection to nature.

E felixtfve@icloud.com
T +44 7837 375580
W felixfennevans.co.uk
S instagram.com/felixfedesign





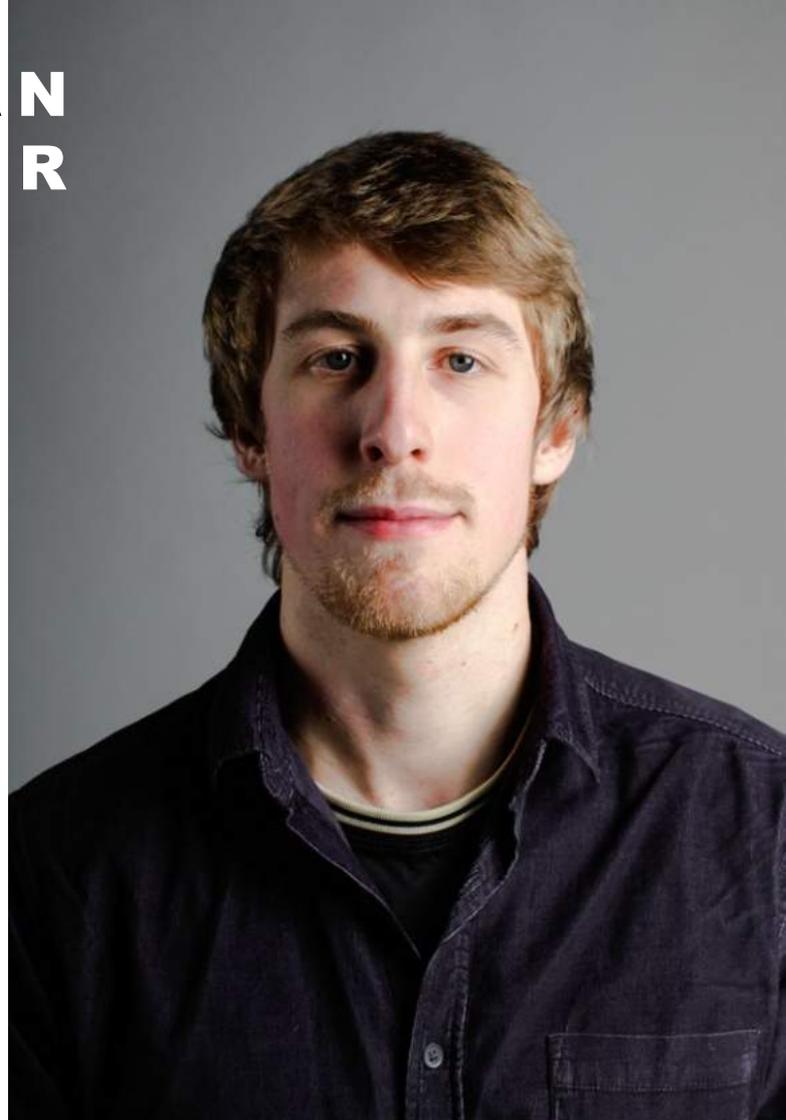
RYAN FLETCHER

As the pet market continues to grow, consumer demand for stylish pet furniture is increasing. **nest.** is a premium piece of modern cat furniture. The minimalist yet sophisticated design focuses on practicality and comprises of an elegant balance between simple geometry and subtle curvature based around the Japandi design movement. Directed towards design minded home owners, the proposed artefact should not just be seen as a cat bed but viewed as a signature item within the home environment.

East Coast Brewing Co. is a brewing organisation and e-retailer, originating from Robin Hoods Bay in 2017. Our unique service has been designed so that it personifies a clear connection between the brand, product and customer. Consideration of local communities coupled with social connectivity, the brand promotes regional awareness; developing craft beers that best describe the history and environment surrounding the north east coast. The company utilises modern technologies to engage with their clientele and build a personal relationship through digital interaction and packaging innovation.

E ryanfletcher19@hotmail.co.uk
T +44 7377 131032
W behance.net/ryanfletcherdesign
S linkedin.com/in/ryan-fletcher

R. Fletcher





YIMLING FUNG

Magnet Black is a magnetic shower product which enables the user to locate the shower head in a range of positions. The product is targeted principally at families with children who struggle with the limitations of shower heads that are placed at relatively high positions in the shower cubicle, causing inconvenience for parents when showering their children.

T +44 7453 199432
S [instagram.com/elainefung22](https://www.instagram.com/elainefung22)





GEORGE FURNISS

Lume is a portable, modern lantern focused on making you feel safer and happier around your home. With its cosy and warm glow, Lume will brighten up those dark winter trips into the loft, to find those illusive decorations or late-night summer BBQs. Using wireless charging to remove any cables, it is ideal for midnight adventures for a glass of milk and the polished aluminium, natural ash and thick tan handle means Lume fits nicely into any home.

Food wastage is becoming an increasing problem in the modern world, with one third of food produced for human consumption (approximately 1.3 billion tonnes) being lost or wasted. **Eske** is a refrigerator designed to help reduce waste in a domestic environment. The design uses a Larder compartment, appropriate for the storage of potatoes and other non-refrigerated items. A refrigerator drawer allows for quick access and keeps the main refrigerator cool and perishable items at a constant temperature. Inside, the shelves and humidity drawers are adaptable to further fit the needs of the home, especially with the increasing number of vegan and vegetarian households.

E Furniss.Design@hotmail.com
T +44 7814 604699
W georgefurniss.com
S [instagram.com/george_furniss_design](https://www.instagram.com/george_furniss_design)





eske



BRENDAN GEE

Linden is an easy chair designed to offer a comfortable break-out experience within commercial space. The design incorporates minimalism, to give a light, unobtrusive aesthetic which encapsulates natural timbers to give it a warm and inviting character. The loose cushions allow the company to replenish the look of the seat, adapting the chair to upcoming trends or to refresh old covers, reducing waste and embracing eco-friendly practice.

An exploration into the art of blacksmithing helped produce this interesting design. **Cross** celebrates the craftsmanship of blacksmiths and incorporates tradition into the modern-day home. The concept was to eliminate the need for welding and only use traditional methods of joining the material together. The structure is composed of sheet mild steel and calf hide is used to create the wrap around the framework. It embraces the imperfections which comes with hammering the material and the progressive beauty of aging leather, giving each light individuality.

E brendan.gee@hotmail.com
T +44 7870 542611
S [instagram.com/bren_gee](https://www.instagram.com/bren_gee)





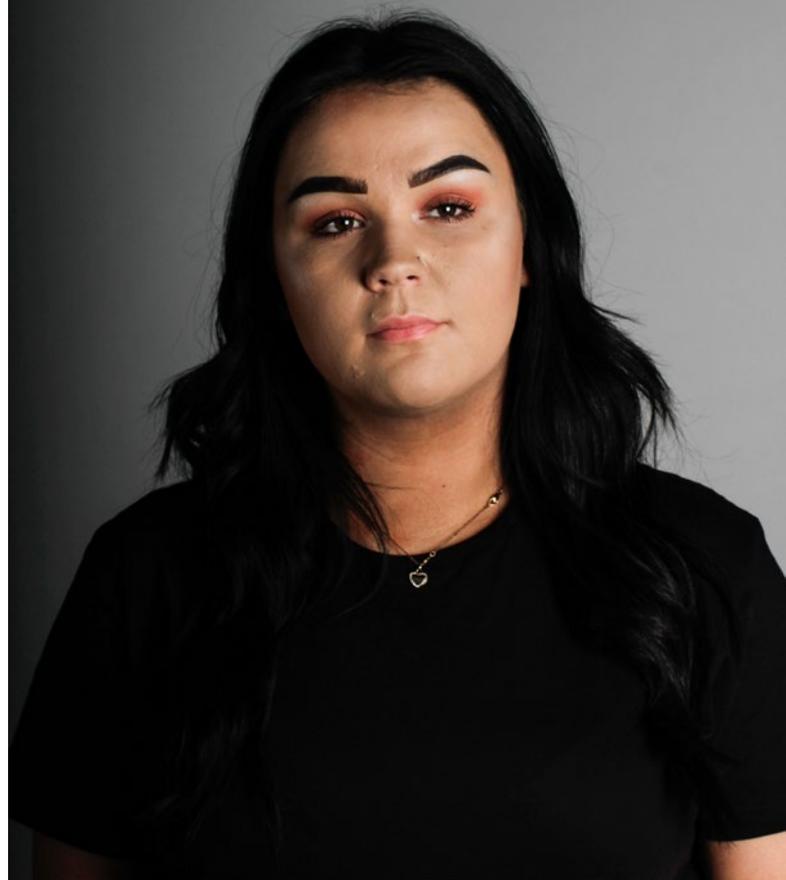
ELLIE GIBSON-CLARKE

Courbes lighting solution is a modern day design for the space conscious consumer. With the ability to transform from a desk lamp to a floor lamp projecting light around the room, this makes it the idea lamp for smaller spaces. As well as being highly functional it is sleek and polished with a mahogany base and shade along with a solid copper structure. These materials work together in harmony to create a stand out piece that will last a lifetime.

After noticing many problems within the beauty world, the **Rose Beauty App** was created with the solutions to many of these cosmetic problems. Having the ability to scan make up photos and find the exact product or duplicate in an instant makes for a unique experience. Personalisation of the app brings up suggestions based on the users own preferences and personal features, such as skin type and hair colour, making for a way to shop exactly what is needed from the comfort of your phone.

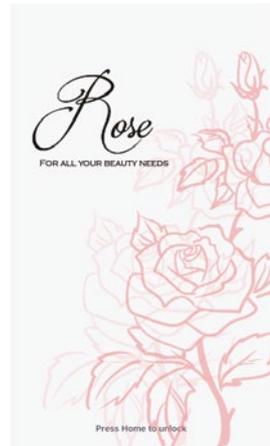
E elz1996@sky.com
T +44 7902 385106
W [linkedin.com/ellie-clarke-a995b110a](https://www.linkedin.com/company/ellie-clarke-a995b110a)
S [instagram.com/ellieclarkedesigns](https://www.instagram.com/ellieclarkedesigns)

ELLIE GIBSON
CLARKE.





Courbes



CHIRAG GOSAI

Fusion is an innovative food waste caddy with easy-to-use waste compacting capabilities, providing users a strong basis to begin a composting system. The elegant design allows waste to be compressed via a stainless steel platform, promoting the production of liquid fertilizer useful in enhancing and enriching home and garden plants. A key design aspect incorporated within the system is a ventilation feature, which allows air to enter and circulate inside the unit, helping reduce moisture and bad odours. Fusion's elegant form will bring a feature to your kitchen worktop.

With **Nura**'s ultra-sleek aluminium polished finish and highly crafted glass thread, it is sure to capture attention within a room. Instantly recognizable for its angular shade, Nura creates a warm ambient glow, contributing to an area's ambience as well as being a statement piece in a home. A product inspired through simplicity, Nura portrays a unique appeal particularly through the visibility of a traditional filament bulb. Nura can be used in many different configurations such as a multiple piece hanging over a dining table or kitchen island.

E cgosai@hotmail.com
T +44 7805364870
W www.behance.net/chiragGosai
S www.linkedin.com/in/chiragGosai



FUSION.

FOOD COMPRESSOR



DANIEL HARFIELD

Texture, a television reimaged as a piece of furniture, has been designed to fit seamlessly within the modern home. The form has been inspired by Scandinavian architecture and simple, modern interiors and furniture; resulting in an aesthetic, minimalist design with useful storage spaces. Texture has been created to provide options for the user to select different finishes and colours, in a similar way to furniture, to truly reflect the individuality of our interiors.

HEX is a premium manual toothbrush, designed for the modern bathroom interior. A focus of the project was to reduce the quantity of waste plastic within the dental industry; the modular design allows for the replacement of the brush head, whilst retaining the anodised aluminium handle and holder, providing sustainability through longevity.

E danharfield@live.co.uk
T +44 7393 205429
S [instagram.com/dan.harfield.design](https://www.instagram.com/dan.harfield.design)

D.L.H.M





Texture



HEX

CHERELLE HIBBERT

Zula was entered into the Starpack 2018 Awards to entail the design and branding of a new luxury metal tin set. Through exploration of the coffee bean and its African origin, the discovery of the coffee ceremony of Eritrea led to the creation of 'Zula', infusing the aroma, process and tastes of Ethiopia and Eritrea within the experience. This gift set exclusively includes a mortar and pestle as a unique connection to Eritrea and coffee grinding, with flavours to include three different levels of coffee notes/strengths representing the multiple roasts of the ceremony itself.

As a modernistic approach utilising the benefits of active music therapy, **PlaySound** is a workshop service providing interactive and communicative musical sessions for students. It has been designed to relieve stress and encourage well being during times of academic pressure, providing a much needed study break from the qualms of university life. Different light rhythms from the main speaker hub sent via Bluetooth to each light device for a fun and unpredictable percussion playing experience.

E cherellehibbert@gmail.com
T +44 7747 343540
W cherellenhibbert.co.uk
S [linkedin.com/in/cherellehibbert](https://www.linkedin.com/in/cherellehibbert)





TOM HILL

Dwindling numbers within the bee population inspired **Apis**. Apis is a conversational piece designed for city farms as an aid for educating the general public in how they can help increase bee populations on an individual level. Using light to demonstrate how bees communicate with each other whilst providing the opportunity to look closely at honey-bee's working together, Apis hopes to create more of an emotional connection with people and the bees that support our lives on earth.

Sova is a sleeping aid lamp that uses contemporary minimalist aesthetics to fit into a modern market. The product has been designed to help instil a consistent sleeping routine for the user, developed from research into cognitive therapies used by professional sleep therapists. As well as this, Sova can be programmed to emit white noise, reducing disturbance as a result of external sounds entering a room. With the further option to use Sova as a table-mounted mood light, the user has a wide region of control.

E tomhill.95@icloud.com
T +44 7392 858974
S [instagram.com/tomhilldesign](https://www.instagram.com/tomhilldesign)





Apis

LEWIS HILL

Luminos is the first of its kind, an omnidirectional, pendant speaker. Utilising reflectors and a quality directional speaker, the Luminos can disperse music 360 degrees. The Luminos is designed to seamlessly integrate with the home environment and remain unobtrusive compared to other speakers on the market. Mounted from the ceiling, the Luminos replaces the traditional pendant light with a technological system with traditional aesthetics.

Modulus is a creative furniture product designed to inspire production within the institutional work environment. The unique focus of the product is its modular design which allows the users to remove the segments and reconnect them to build a piece of furniture to suit their needs. Whether they need to lounge, read, or communicate with other works, the modulus can cater to anyone. Constructed using a tough, British industrial felt shell and filled with sustainable and environmentally friendly buckwheat hulls, the modulus is built to withstand the often-hazardous environments of the workplace.

E lewishill96@gmail.com
T +44 7772 043336

Lewis Hill





Luminos



Modulus

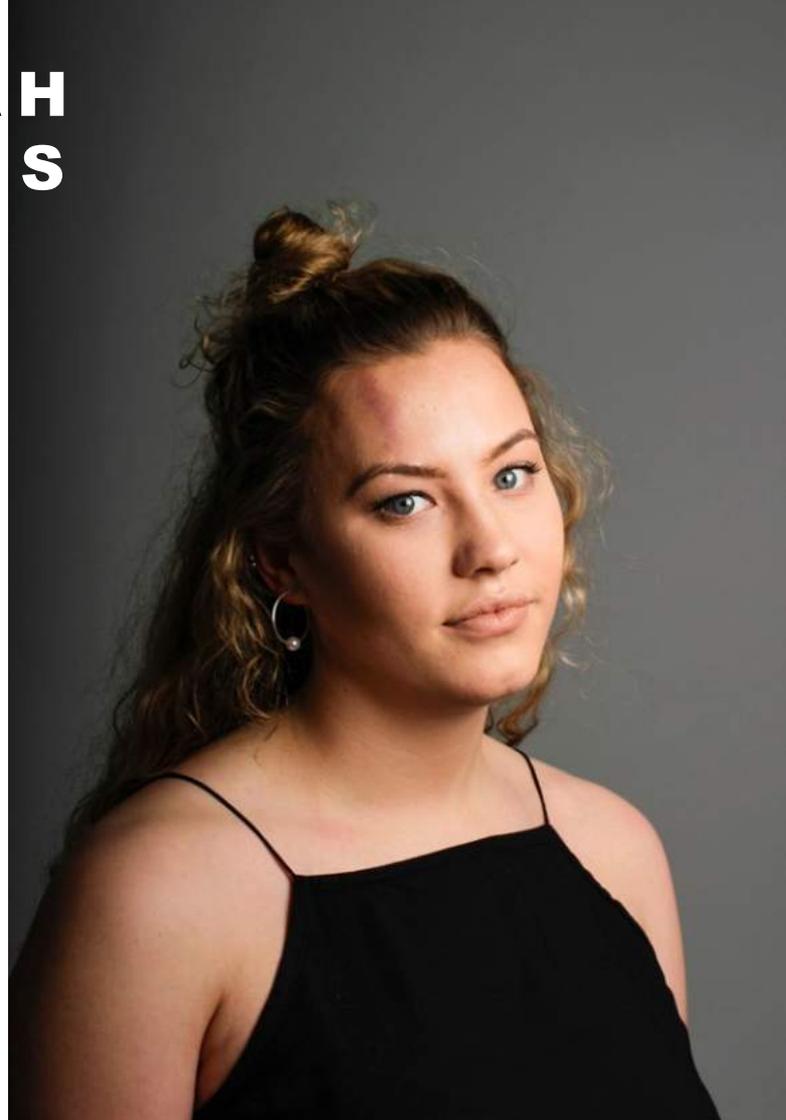
SARAH HOLMES

Designed to be in partnership with the British Heart Foundation stores, **Recover Creations** offers up-cycling workshops, along with an essentials up-cycling kit and how-to guide. We aim to introduce the consumer to the movement of up-cycling to engage, empower and in turn encourage the mind set of reuse and recover through the use of Recover Creations products. The up-cycling workshops allows the consumer to learn the skills required to inject new life into furniture and allows fellow members to connect, interact and share knowledge, while being involved in an empowering community.

Hooked is a multi-purpose wall hanging, designed on the principle of changing the perception of the material. The hooked wall instillation allows the user to innovate their living spaces in a functional manner but still allows subtle elements of design to show. The instillation is achieved through an interlocking system attached to the wall before instillation. Hooked comes in three sizes and in two styles of a functional orientated piece and design-conscious piece.

E sarahholmes10@hotmail.co.uk
T +44 7578692567
W behance.net/sarahholmesdesigns
S instagram.com/sarahholmesdesigns

Sarah Holmes





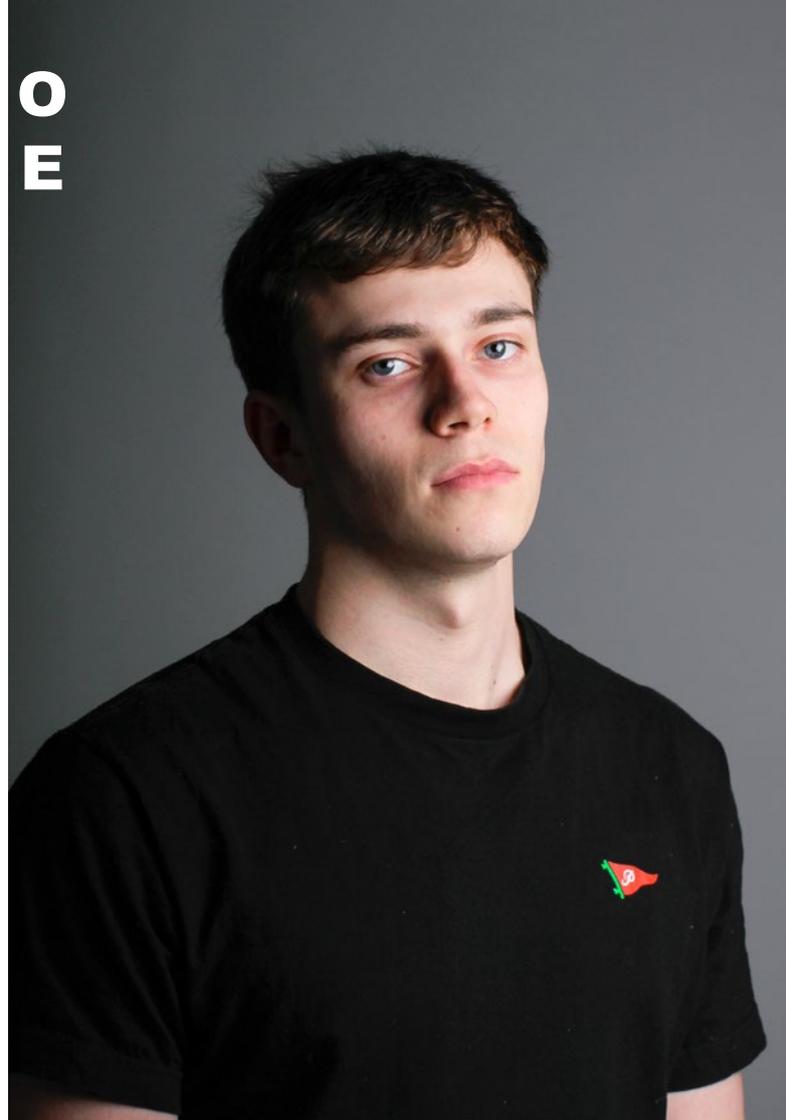
HUGO HOPE-WYNNE

The **Spicer** is a holistic machine and app system that alters the way consumers think about their meals. No longer do users have to carefully consider their meal options or follow un-intuitive recipe guides. They can simply decide what to cook through the app whilst the machine prepares all the spice blends, sauces or marinades required.

Grow Box is a self-watering, low maintenance, hydroponic plant kit that allows office workers to take advantage of the natural benefits that plants have to offer. The Grow Box system has been designed to improve social engagement in offices, subtly connecting both new and existing workers into the office community.

E hope-wynne@hhwdesign.co.uk
T +44 7462865741
W hhwdesign.co.uk
S instagram.com/_hwdesign

Hopewynne





Spicer



Grow Box

WILLIAM HOSIE

Slight is a floor standing lamp made from Welsh Slate and copper, designed to showcase the natural beauty of slate along with the complimenting copper. The aim of this product is to show that slate can be used for more than just industrial uses. As slate is a vastly underutilised material, especially in homeware products.

Xpand is child's trainer designed to increase in size, growing with the child through several foot sizes. The shoe's design will increase up to three-foot sizes using a simple spring pin mechanism to adjust the size. This pin is hidden as part of the mid-soles aesthetic. When pulled it allows for the heel section to be moved backwards or forwards to change to the appropriate size. The shoe was designed for children with an average age of between 4-8 years old.

The shoes main purpose is to combat the cost to parents having to buy multiple pairs of shoes a year for their children when their feet grow quickly. This simple solution will help to lower the ever-rising costs of raising a child in the 21st century.

E wjahosie96@gmail.com
T +44 7753362525
W [linkedin.com/in/william-hosie](https://www.linkedin.com/in/william-hosie)
S [instagram.com/wjh_design](https://www.instagram.com/wjh_design)





ASHLEY HUNT

Designed with the intention of creating a product that the user builds a strong connection with and evokes a greater sense of attachment through use. **Annex Watches** offer the consumer a unique product personalisation experience allowing the product to become 'an extension of you'.

Consisting of a solid brass case featuring intricate surface texturing, and finished with a black wear-away coating. Annex Watches are designed to develop their own wear and patina through use making every product individual.

Orii is a contemporary modular organiser for the home or office with integrated wireless charging. The product has been designed to empower the user to stay organised whilst keeping their devices fully charged and enabling the technology to blend into the background. The product consists of a Corian solid surface base tray in 3 sizes, with additional add-in modules in a variety of materials such as walnut, maple and ceramics.

E ashley.hunt@outlook.com
T +44 7975 560745
W ashhuntdesign.com
S instagram.com/hunt_design





ZHICHUN JIA

The **Origami seat** can change direction optionally to bring the user a new experience and can decorate recreation areas of galleries to add interest. It is a multi-functional seating product from which people can take out exhibition guides and books under the seat.

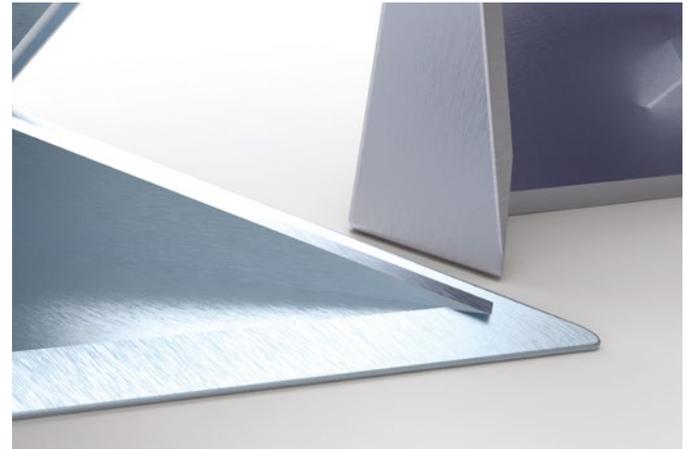
The process of freely combining and moving the seats provides interaction between visitors and the product, while the sharp edges and corners are rounded for safety.

The product was made with ABS plastic which makes it durable and stable, and it can be customised into different colours.

E foger820@gmail.com
T +44 7840424158
W issuu.com/733113
S instagram.com/fogerjia_

Zhichun Jia





NIKITA LAD

Air pollution is a major problem in the UK and is known as the invisible killer. How can we change this? The answer is **Osmos – The Clean Air Hub**. It is designed to purify the surrounding air whilst promoting various air purifying plants. This semi-enclosed seating area allows the public to engage with nature whilst breathing clean air provided by the plants. Osmos informs the public how they can improve the air quality in their own home.

Kineteco is a human powered cork torch, providing a light source in dark environments, through a simple squeeze. Cork is a versatile material, with advantageous properties including being lightweight, waterproof and absorb vibrations. This makes it perfect for those who enjoy camping or similar activities. This torch is an example of how a sustainable material can be adapted to a manually operated product.

E nladdesigns@gmail.com
T +44 7377 379808
W [linkedin.com/in/nikita-lad-designer](https://www.linkedin.com/in/nikita-lad-designer)
S [instagram.com/lad_designs](https://www.instagram.com/lad_designs)





Osmos



BA PD 147

GEORGE LAND

MINUS is a statement piece/product with modern LED's that brilliantly illuminates large or open and darker spaces. Ideally, this product would be in-situ in foyers, atriums and or reception environments. The ethos of the product incorporates a clear minimalistic aesthetic, whilst focusing on the negative space within products and objects. The nature of the geometric frame manipulates the light, producing creative external shadows and arcs on the positive environment and objects around.

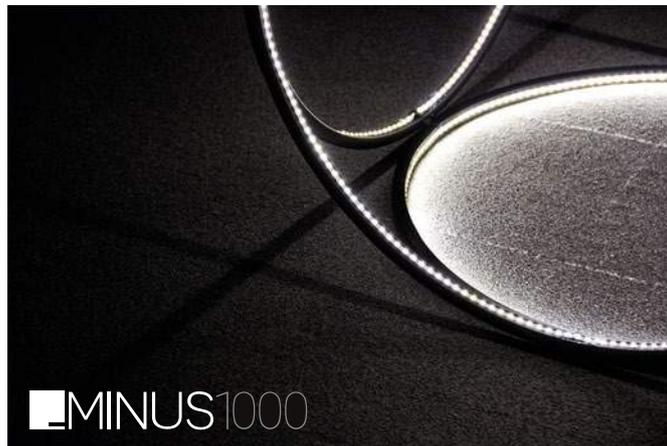
Bambottle is a product that offers consumers a unique and intriguing alternative to your everyday plastic bottle. In this project I wanted to show how a raw material like bamboo, so very natural, untouched and characteristic could be favourable and chosen to be used for the simplest of products, over something so commonly used like plastic. With the combination of a raw rustic leather strap and a unique silicone bung, this product stands alone.

E gjldesign@hotmail.com
T +447811514652
S instagram.com/gjldesign





BAMBOTTLE



MINUS1000



HONG SHING LAW

On observing the patterns of students and staff within the University, taking breaks from their everyday to enjoy a cup of tea, I noticed the lack of reading materials, such as books and magazines in the cafe and social spaces on campus. This inspired the design for **Magazine Shelf** - aiming to encourage reading books, news and magazines in social spaces on campus.

Different shapes and arrangement methods were considered within the design to create the two-part magazine shelf, each constructed like an 'L' shape with American Black Walnut wood. The design attempts to look aesthetically pleasing while remaining functional at the same time; piling them together and slightly shifting them apart gives a balance and symmetry.



E winwinwinson@hotmail.com
T +44 7455265901

winson law

MINI-ESCAPE from the busy world

 Magazine Shelf



ZHAOYUE LIANG

The **Interlocking Chinese Joinery** is a structure that is mainly loaded with wood and is connected and fixed by means of various mortises and tenons. Because this structure is composed of natural materials, subject to the limitations of the material itself.

My design philosophy is to combine ancient Chinese architectural culture with modern design. Using a bedside lamp, the entire lamp is not applied to any glue, nails or any auxiliary tools. This light will mirror the shadows of different shapes from different angles. When people watch a movie in a bedroom or check their computer / phone, they do not want the room to be too bright, they instead want soft, ambient lighting.

E zhaoyueWWW527@gmail.com
T +44 7383661983
W issuu.com/zhaoyueliang
S [instagram.com/phoebe_lzy](https://www.instagram.com/phoebe_lzy)

Zhaoyue Liang





SARA H LODGE E

ORIA, the Home Care Companion, is designed to enable prolonged independent living for individuals living with dementia. ORIA provides simple support through medication and appointment reminders, daily tasks lists, and allows carers to upload regular updates via photographs and messages, enabling the carer or relative to maintain long distance communication. This is achieved by syncing the home system interface to an application on the carers mobile device which is monitored via a motion sensor and feedback features.

Axis Task Lamp, a practical and adaptable light that focuses on the high consideration to appreciation of quality materials. Manufactured from brass and corian, attention to detail has been placed on the satin finished brass accents and the addition of storage capabilities to store small items. Axis focuses on placing emphasis on the connection to the user through patina of the brass. Additional detailing of the knurled brass to add texture and warm LEDs to produce soft but focused lighting, acting as an essential to any personal home desk space.

E sarah.lodge@hotmail.com
T +44 7878 052196
W [linkedin.com/in/sarah-lodge-1807](https://www.linkedin.com/in/sarah-lodge-1807)
S [instagram.com/sarahlodgedesign](https://www.instagram.com/sarahlodgedesign)

S Lodge





ORIA

YOUR CARE COMPANION



Axis Task Lamp

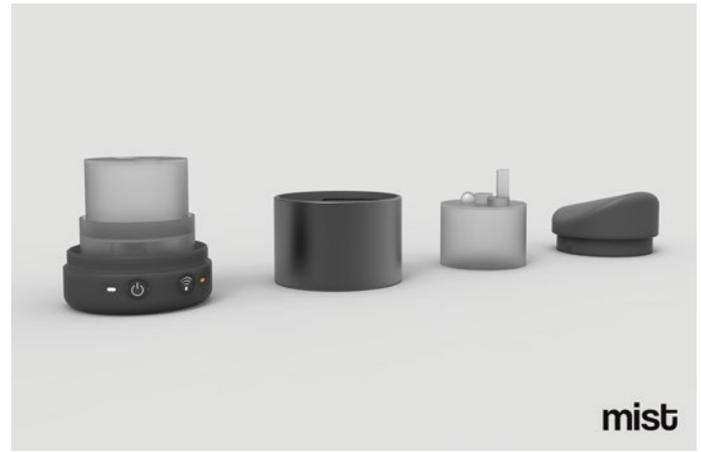
SIMON LORBER

Arc is a table light designed with the manufacturing process as the focal point. Made from steam bent ash, a double arced base supports the upright which in turn holds an attractive LED bulb. The project was led by a broad experimentation of steam bending which culminated in Arc, an intriguing and attractive supplement to any room.

Mist utilises essential oils to create a calming atmosphere to de-stress and enable better sleep. Housed within anodised aluminium and soft touch plastic, an electric current transforms a water and essential oil blend into a gentle, fragrant mist. Compact in size and sealable, Mist can be fully portable to provide the same calming effect when away from home. Paired wirelessly with an app, Mist can be automated to turn on at the same time each night, encouraging a consistent pre-sleep routine.

E simonlorber@live.co.uk
T +44 7725 174991
W behance.net/simonlorber
S [instagram.com/simonlorberdesign](https://www.instagram.com/simonlorberdesign)





CRAIG MARTIN

The **D12** Pendant Light revolves around a Dodecahedron Corian Light shade. Corian is a high quality Solid Surface Polymer that is mostly used for kitchen counter tops. This product highlights Corian as a material for use in more commercial products. Making use of Corian's seamless joining to produce a unique geometric shape that appears as one piece and has a soft glow when lit.

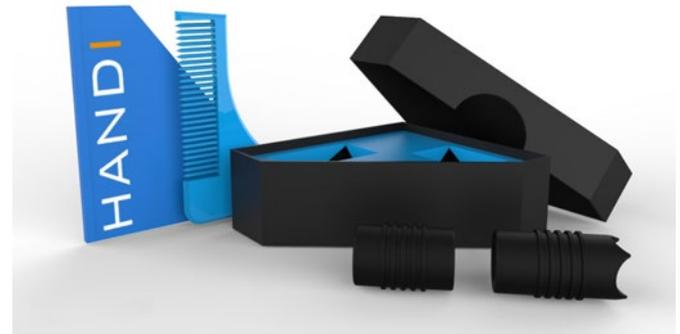
Dyspraxia is a developmental condition that affects the fine and gross motor skills in people, this results a lack of coordination in everyday life. The **Handi Shaving Kit** has been designed to aid in the process of shaving for people suffering with dyspraxia. The kit contains rubber grips for a razor, a beard shaping tool and a handbook with guides and tips on how to shave. The box also becomes a stand to keep all of the users shaving tools in one place. The combination of these parts will help the user develop a faster and easier shave.

E craig_martin666@hotmail.com
T +44 7741282096





D12



LIAM MARTIN

Causeway is a low-cost acoustic treatment tile system, manufactured using recycled clothes. The porous nature of the tiles acts to absorb sound whilst the fractal face reflects the remaining waves in different directions. The tiles can be attached using a 'peel-back and stick' process or using Velcro, for a more portable system. In classrooms and offices, the resultant effects will include lower levels of background noise and improved vocal clarity - creating a more suitable sound environment for the occupants to work in.

Ratik is a prime-seven quadratic sound diffuser, aimed at the Hi-Fi market. When sound enters the Ash-built structure, it is reflected and spread equally across the space, eliminating the unwanted waves that reflect off walls. The diffuser can be stand-mounted at two heights and wall-mounted using a VESA compliant TV bracket. Ratik was built to demonstrate that sound treatment can be merged with design to create exciting and highly functional pieces - bridging the gap between art and physics.

E liam@sektre.co.uk
T +44 7914 496958
W sektre.co.uk
S [instagram.com/ldmartin](https://www.instagram.com/ldmartin)





TWISHA MEHTA

MUTA, a simple and innovative dustbin design which has changed the image of an ordinary dustbin from something that has been kept hidden, to a new functional dustbin which can be shown off. By allowing the user to adapt to a new change of using the dustbin bags and liners, **MUTA** also focuses on solving other dustbin problems and simultaneously bring an innovative design change.

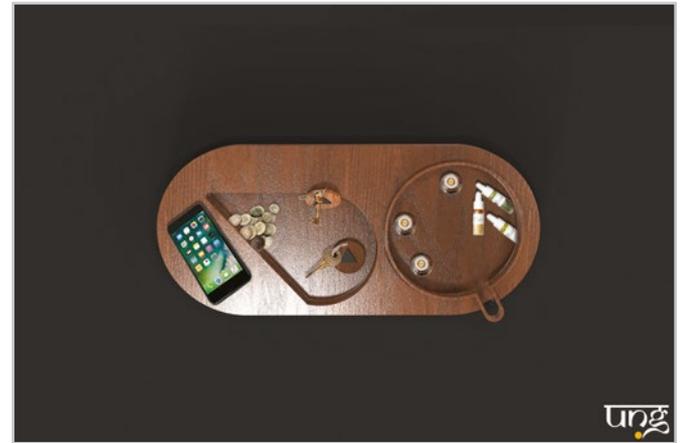
Getting stuck in the busy and repetitive cycle can lead to stress and lack of sleep. **UNG.** helps to break from the cycle of stress and less sleep through the aid of aromatherapy. Through the relaxing and refreshing scent, the destress companion helps you achieve a better sleep cycle. With the contemporary design and functionality, **UNG.** consists of a set of products – homeboard and keychains, allowing the user to remain stress free throughout the day.

E twisha.mehta45@gmail.com
T +4407823761747
W behance.net/TwishuM
S [instagram.com/twishamehtadesign](https://www.instagram.com/twishamehtadesign)





muta.



ung

JOSEPH MORLEY

The Bale String Project is a service for recycling plastic agricultural waste, predominantly discarded bale string, to produce a useful and well-considered range of products for both the farmer and the general public. The project was undertaken to make efficient and effective use of waste on the farm and to put forward a positive outcome from a waste product. The solution provides a method of diversification for the farmer which is clean and easy, to create a new usable form from a waste material which is deemed useless after initial usage.

Enhancing Milk Consumption. The dairy industry is a volatile business, where supermarkets have a major role to play in pressure towards the farmer. The brief was set to bring the farmer back into control and how they can innovatively sell produce to the public. Backed by a 'Support Local, Buy Local' campaign through the stand out MOOcow bottle stopper. The aim was to bring the consumer and the farmer closer together to understand the hard work that is undertaken to provide an honest, quality product.

E joseph.morley@outlook.com
T +44 7717 375896
W josephmorley.com
S [linkedin.com/in/josephcharlesmorley](https://www.linkedin.com/in/josephcharlesmorley)





SOFIYAH MOUGHAL

For city dwellers. For young professionals. For those who move house often. **Arlo** is a coffee table and stool in one. Designed to minimise the number of pieces you have in your home and utilise space efficiently.

With young city dwellers constantly moving house and replacing furniture, Arlo challenges this throwaway culture by being built to last. Designed to be assembled and disassembled many times, a new wave of flatpack furniture is introduced.

The easy swivel mechanism allows the user to change the function in a matter of seconds to transform a comfortable stool into a handy coffee table. Two playful pins secure the swivel component in place. Designed with a subtle colour pop, the piece is both practical and fun making it easily translated into most home environments. Combining basic materials such as plywood and steel, it attracts the young, urban city dweller.

Arlo. Multifunctional. Timeless. Simple.

E sofiyah94@gmail.com
W [linkedin.com/in/sofiyah-moughal](https://www.linkedin.com/in/sofiyah-moughal)



arlo



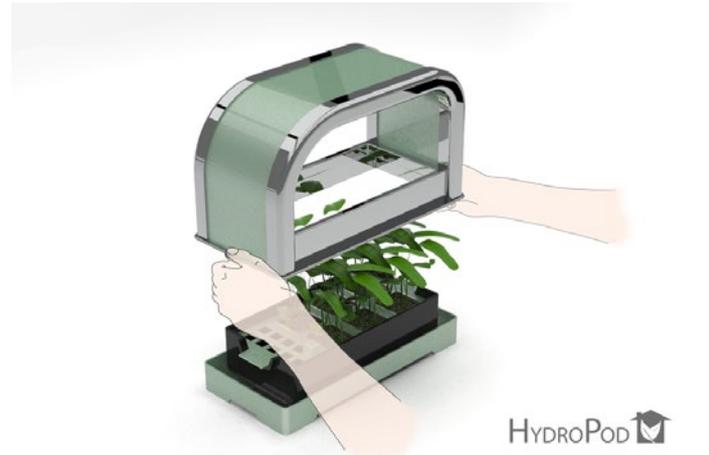
ALEX NANGLE

Lissit aims to combat the overconsumption of flat-pack furniture by allowing for easy assembly, disassembly and transportation. Lissit has been designed to be multi-functional; the components can be broken down to create a storage unit, seating and a side table. Its powder-coated steel tube frame offers stability without unnecessary weight and its leather sling doubles as both a comfortable seat and a robust shelf if required. Constructing and adjusting the configuration of Lissit requires no tools, making it an ideal design solution for all.

The **HydroPod** is a hydroponic farm designed for use within the kitchen. It allows the user to grow leafy green vegetables and a variety of herbs year round. The HydroPod not only provides a constant supply of healthy nutritious produce, but is designed to cause users to be more aware of their consumption of food.

E alex-nangle@outlook.com
T +44 7864 918 433
W alexnangle.co.uk





CHEUK LUN NG

The backpack is a very basic and normal necessity for people to transport items between school, shopping, dating, sports and travelling. Backpacks can make our lives easier.

The **Functional Backpack** is specifically designed to satisfy people who play sport and hangout afterwards. It can also be multifunctional by turning the backpack into two forms.

E alanngcheuklun@gmail.com
T +852 62056690
W [instagram.com/alancheuk.design](https://www.instagram.com/alancheuk.design)



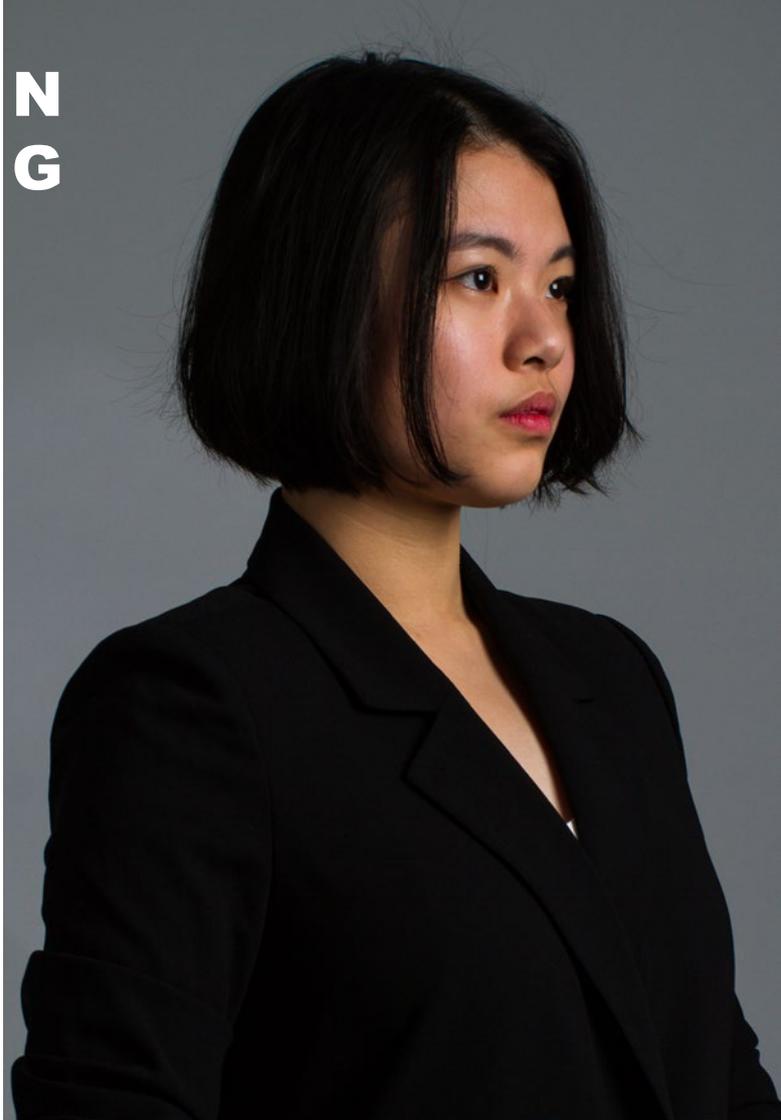


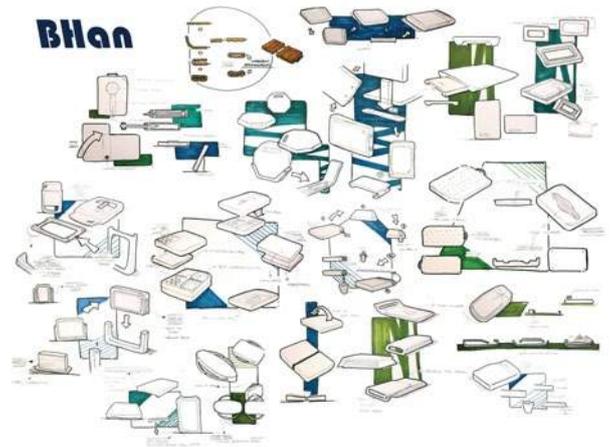
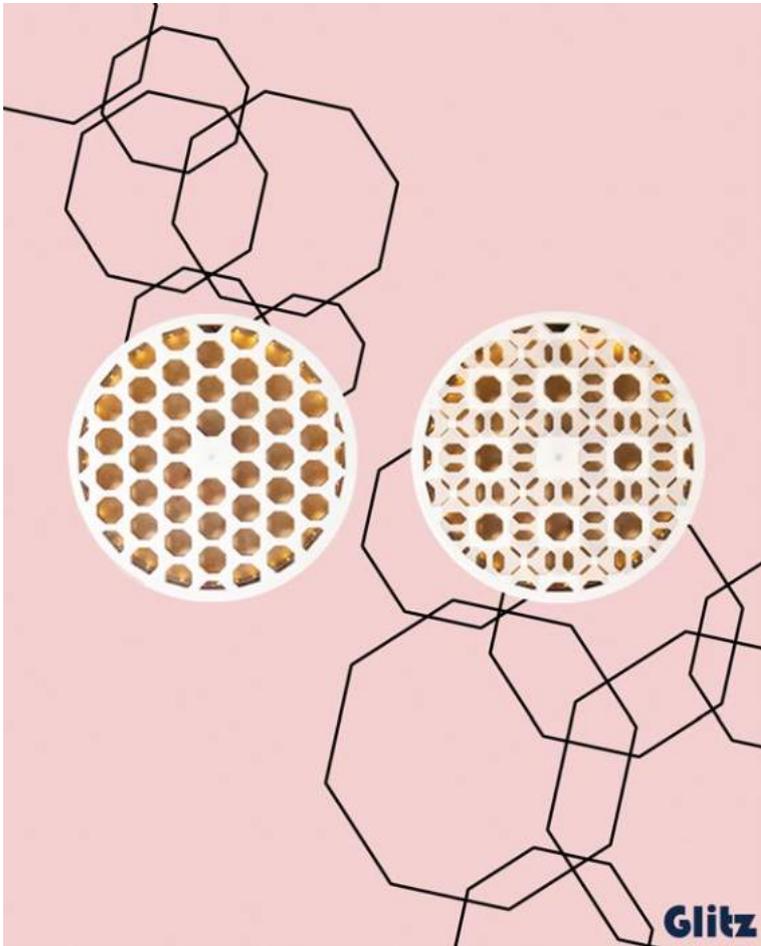
YU LYNN NG

This decorative bedside wall lamp is primarily made up of 3-layered hexagonal patterned pieces, with a combination of materials and textures that impersonate fireflies. **Glitz** is inspired by the beautiful, enchanting and endangered fireflies; the tiny glowing bugs. The geometric design features patterns inspired by fireflies semi-transparent wings, along with their layered cuticles as the main characteristics. Glitz can be easily switched on/off by touching the centre or dimmed by rotating its frosted cover. A playful alternative to traditional switches.

A cutting board is a tool you use daily. The durable design of **Bhan** makes it suitable for both modern and contemporary kitchen spaces. It not only upgrades your kitchen's appearance but aids your every day food preparation. Furthermore, it has modern yet compact form and easy to lift edges. With Bhan, there will be no messy kitchen tops and sinks, preventing cross-contamination.

E yulynnng@gmail.com
T +44 7835116379
W yulynnng.com
S [linkedin.com/in/yu-lynn-ng-36956499/](https://www.linkedin.com/in/yu-lynn-ng-36956499/)





FRANK NICKSON

Awar portable air quality sensor is a device to take on the move and keep you aware of air pollution. Download the Awar app and connect to your device by Bluetooth. Use Awar maps to guide you through the polluted air to reduce your exposure to poor air quality. Take control of your exposure to polluted air by using the app to check on your current exposure. You can see which areas are highly polluted, and choose your route to avoid those areas. Join the network of people helping each other reduce exposure to air pollution.

Fr&nk is a modular furniture system to be used anyway the user desires. It comes with a range of products such as the shelving, key bowl, mirror, leather swoop and lighting. These products can be placed in the best way for the user. This product will look good wherever it is in the home, whether it's in an entrance hallway, the bedroom or living room this product looks attractive and functional. Its simplicity means the system can be moved with ease, without the need for tools to dismantle or rearrange the products.

E franknickson06@gmail.com
T +44 7823 334754
W [linkedin.com/in/frank-nickson-7b36a5a2](https://www.linkedin.com/in/frank-nickson-7b36a5a2)
S [instagram.com/design_frnk](https://www.instagram.com/design_frnk)



f r & n k

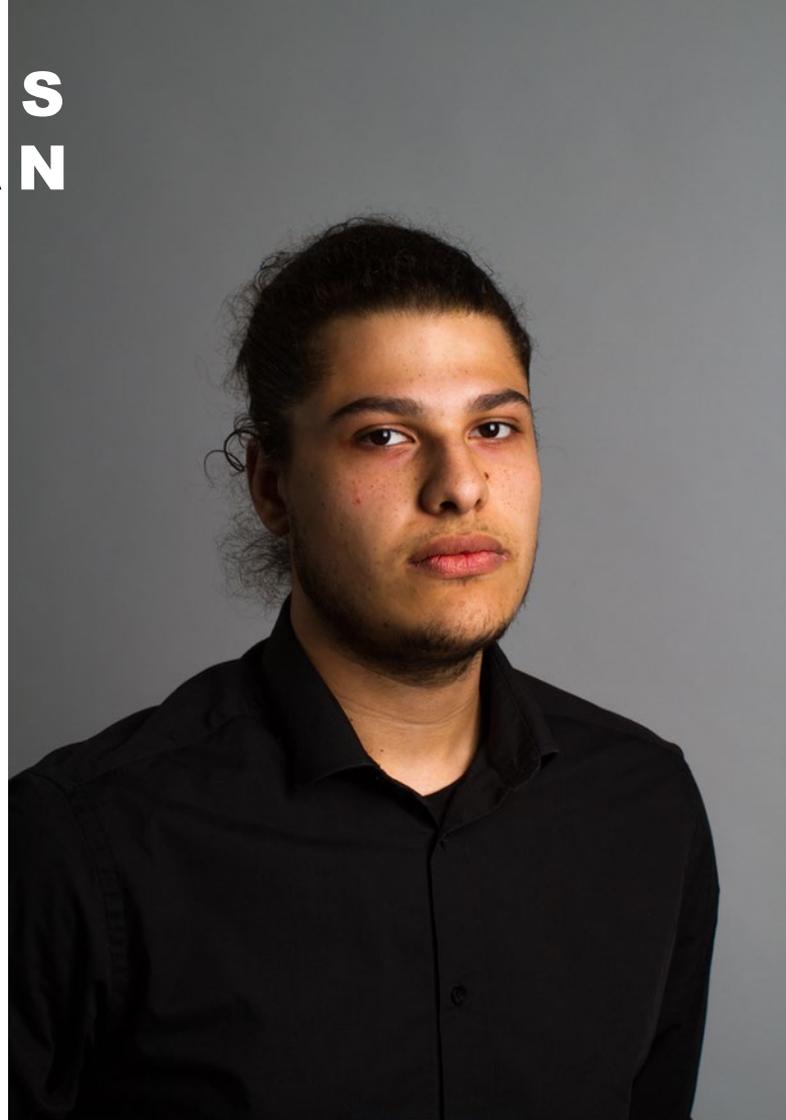


CHARLES OYEDIRAN

Deco is a project aimed at reducing the negative effects of bulky waste through use of disassembly to enable consumer repair. Whilst the one-piece assembly and use of permanent fittings can be a barrier to user repair for contemporary soft furnishings, Deco uses a framework and steel fitting assembly to provide structure while the stylised cushions provide comfort. With consideration for end of life materials processing, Deco is created to have minimal impact in the event it ends up in waste, using materials that aren't problematic in their disposal. The combination of easier to transport assembly as well as the ability to replace & ensure integrity of parts is aimed at encouraging reuse and prolonged product lifespans.

Exploring the interaction between users and objects, I developed the **Brass-Fold** wallet which was driven by a consumer want for everyday carry objects made from desirable materials with functionality. The outcome encourages minimalism in wallet contents in an effort to focus on the essential components required for day-to-day use.

E charlesoyediran@live.com
T +44 7885 489482
S [linkedin.com/in/charles-oyediran-1b789941](https://www.linkedin.com/in/charles-oyediran-1b789941)





DECO



EDWARD OWEN

The **Coil floor lamp** is an all upcycled piece of lighting. Every component and material has been sourced to be re-used. No new material or energy has been consumed to create this product. By sourcing unique objects and materials, this lamp is one of a kind and stands out amongst the rest. With a large bright filament bulb, giving a vintage lighting effect and colour, the Coil Lamp offers great illumination whilst providing a soft and comforting orange hue to any space.

Taking inspiration from Nikola Tesla, a driving force in the advancement of electricity and machinery. The elegant yet industrial design ensures the lamp looks at home in a range of spaces, from a contemporary living area to a more raw and industrial setting.

E edward_owen1@outlook.com
T +447445838538





Coil



RYAN PICKFORD

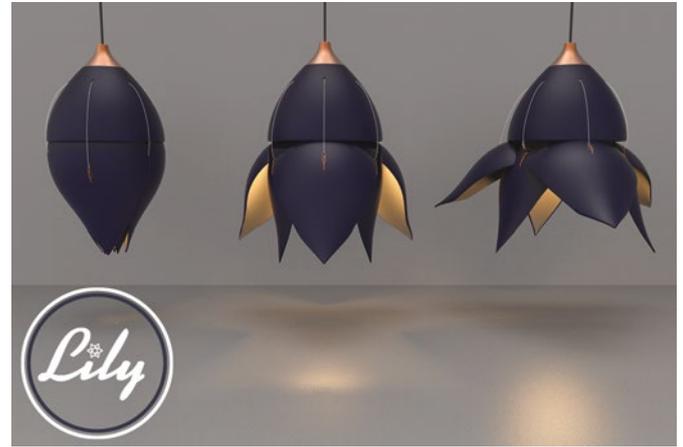
Children's furniture has always suffered with the problem of being short lasting. **Harmony** however is an exception to this trend. Starting as a learning and toy storage centre bought for a child during their toddler years, Harmony adapts with the child as they grow. It converts to a children's desk as the child moves into primary school and continues to grow with them through their teens and beyond. Harmony keeps up with a child's changing personality and environment with adaptable looks, layouts and functions, always being one step ahead of your child.

Lily is an exploration into the natural movement of flowers, brought together in a functional, commercial and fascinating pendant light. Designed for the social rooms of the home the light provides the unique feature of being able to physically adjust the light in a room through the movement of its petals. The 'bloom' is controlled via the lights dimmer switch so as the light from the bulb increases so too does the opening of the flower. Marketed for the likes of John Lewis and Heal's, the light is the first of its kind to be aimed at a commercial market.

E ryan.pickforddesign@gmail.com
T +44 7526 901357
W ryanpickford.co.uk
S [instagram.com/ryanpickforddesign](https://www.instagram.com/ryanpickforddesign)

Ryan Pickford





KYLE POINTER

Functional Backpack has been designed in direct response to a lacking market for affordable and functional backpacks, aimed at young women. The Backpack itself remains humble and quiet, bringing little attention to itself for security. Inside, the layout caters for several needs of the user, based on well-informed research. Features include laptop space, separate cable space, easy access pockets for make-up, keys and cards, a water bottle strap and private space for personal and sanitary items.

My passion for both play and furniture led me to seize the opportunity to design **Poolside Lounge Chair**. Bright in colour, eccentric in form and interactive in function, Poolside Lounge Chair reflects my curiosity for adult-play. A soft, curved, Panton inspired seat, hangs within a steam bent, Ash ring. Brass brackets and bow shackles connect two cord lengths around the seat, allowing a rocking motion for the user. This is a chair for you to play with, touch and explore, and find new details every time you examine it.

E kyle.pointer1995@gmail.com
T +44 7400 269082
W kylepointer.wixsite.com/portfolio
S [instagram.com/pointerkyle](https://www.instagram.com/pointerkyle)





Lounge Chair



Backpack

LAUREN POULTNEY

The **Bespoke Eco Lighting Project** was inspired by upcycling and the problems involved with glass bottles. Once glass bottles are thrown away they take millions of years to decompose, bars and restaurants throw 200,000 into landfill each year. I decided to design a light which would transform customers perspectives on glass bottles, and to showcase a product which consumers would not conceptualize was manufactured from waste materials.

Aquatic Education presents the magnetic swimming paddles; designed for stages 4-7 to improve technique and timing in breast stroke. The paddles include magnets which bring their hands together and gives them haptic feedback to ensure that their hands are in the correct position. There are two versions: the standard paddle and the advanced paddle, the standard version includes the magnets, the advanced version includes a vibration in the palm of their hand which will count their timing, to ensure they are gliding for the correct amount of time.

E laurenemilypoultney@hotmail.co.uk
T +44 7803 557480
S instagram.com/lpdesign96

Lauren Poultney





JAMILA PREMPEH

Cord allows the user to efficiently use the desk surface space for three purposes, eating, working and getting ready, without the items from one activity interfering with the other. The solution enables the user to remove all their items on the desk in an effective way with as little hassle as possible, yet keeps users items stored and kept in a more organised manner, reducing the time to set up the desk to the appropriate activity. Enabling the user to effectively use the space in an organised manner, bringing co-ordination to the intended users' life.

Glass milk bottles, a distant nostalgic memory to some, where waiting on the arrival of milk to be delivered to home doorsteps by the milk man was a normal way of receiving milk. **Ergo** an outcome developed through exploring the faults of the past and present milk bottles resulting in the next generation of milk bottles to increase user experience and comfort whilst using the bottle. Main features include the twist-to-open motion lid, decreasing chances of leakage, making it much more convenient for young and elderly users.

E jamilaprempeh@hotmail.co.uk
T +44 7583 262709
W behance.net/JamilaPrempeh
S linkedin.com/jamila-prempeh





CHRISTIAN QUILING

The Béton desk trinket collection - consisting of a bookend, glasses, clutter holder, and paperweight, sets its foundations within and expresses the views of the architectural design movement Brutalism. It attempts to embody a Brutalist ethic, rather than a focal point on aesthetics - an uncompromising desire to tell it like it is, from a design perspective.

E chrisquiling@hotmail.co.uk
T +44 7563 215908
W behance.net/christianquiling
S instagram.com/christianquiling





EVELYN RATCLIFFE

Concrete Planter explores the use of a common building material to make something that fits into a homeware situation. The use of the white concrete and sand creates a purer base for the embedded material and also the option to add colour to give the product more diversity. With the use of the dark grey pieces for the embedding, against the pure white of the concrete it creates a stark contrast alongside the geometric shapes used within the design.

Purrfect Freedom creates a safe environment for cats to explore, not only does it lift a weight from the owners mind in regards to road safety and other threats. Made from a strong welded mesh and powder coated to fit in with the aesthetic of any garden. With a variety of additions Purrfect Freedom, can be customised to fit with the needs of the animal and also help to diminish boredom.

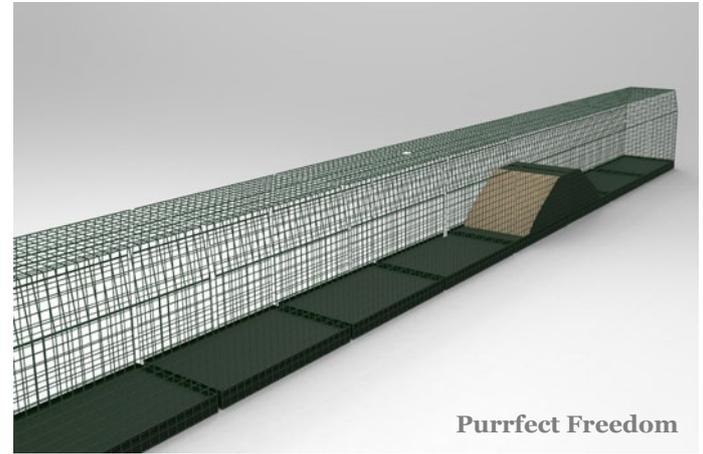
E evie.ratcliffe@hotmail.com
T +44 7462 889459
S [linkedin.com/in/evie-ratcliffe](https://www.linkedin.com/in/evie-ratcliffe)

ERatcliffe





Concrete Planter



Purrfect Freedom



GABRIELLA RIZZO

The phrase 'less is more,' is often used when it comes to design. The idea behind the **Morse** bedside table originates from popular lifestyle trends including: the art of de-cluttering made popular by Marie Kondo, and the Japanese 5S model. Morse encourages the user to classify the items that are needed and to sort them according to category. The additional components that work alongside the bedside table helps the user to do so.

Onespace* is your very own personal portable environment- defining your work area, creating a sense of privacy and limiting distractions.

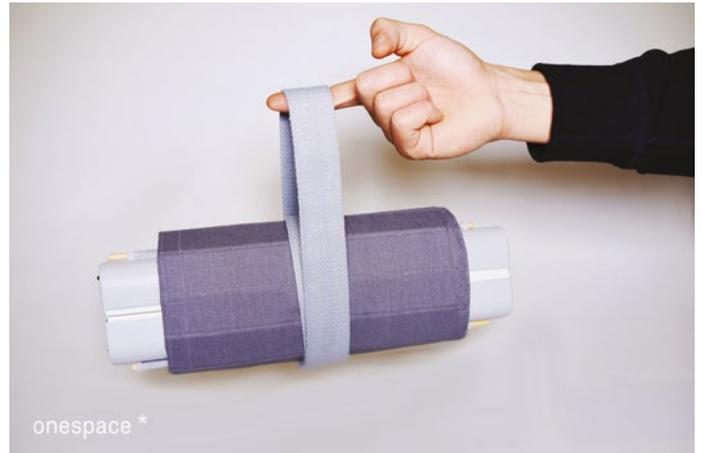
In recent years the 'office' has dramatically changed. We have seen a shift from classic ergonomics to more active ergonomics. Open plan, hot desking and co-working spaces are more prevalent in today's society. Onespace* aims to combat modern day 'work environment' problems such as increased interruptions in work flow that occur as a result of these new ways of working.

E gabby15rizzo@gmail.com
T +44 7711 102635
S [linkedin.com/in/gabriella-rizzo](https://www.linkedin.com/in/gabriella-rizzo)

gRizzo



MORSE
- _ . _ . .



MORVEN ROSS

Scout is a discrete wearable camera that captures beautiful memories that might have otherwise been missed and allows them to be relived in an immersive fashion. Your Scout device will automatically take photos and uses artificial intelligence to select the images that are deemed 'interesting' and representative of specific moments. Location and facial recognition information is added to the image and the photographs are transferred to the user's device. These will be catalogued on the accompanying mobile application via Dates, Places, Things and People for the user to relive memories at the touch of a button.

The **TRVL** leather product range was developed for the modern-day adventurer; those who crave travel and organisation in tandem. TRVL 001 is a zipped pouch featuring various pockets and attachments to keep your essential travel items organised and accessible, it also features a discrete and secure section for travel documents. Accompanying the pouch, TRVL 002 is a collapsible catch-all tray to keep your everyday carry items organised during transit and overnight stays.

E morvenrossdesign@hotmail.com
T +44 7787 418720
W [linkedin.com/in/morven-ross-340966108](https://www.linkedin.com/in/morven-ross-340966108)
S [instagram.com/morvenrossdesign](https://www.instagram.com/morvenrossdesign)

MRoss.



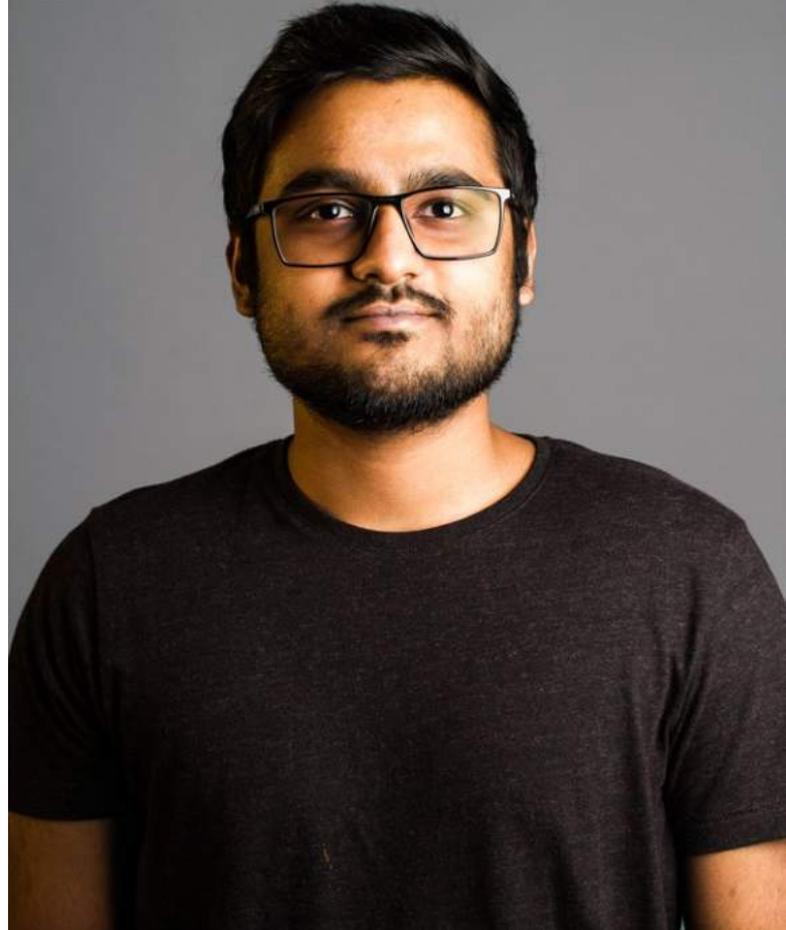


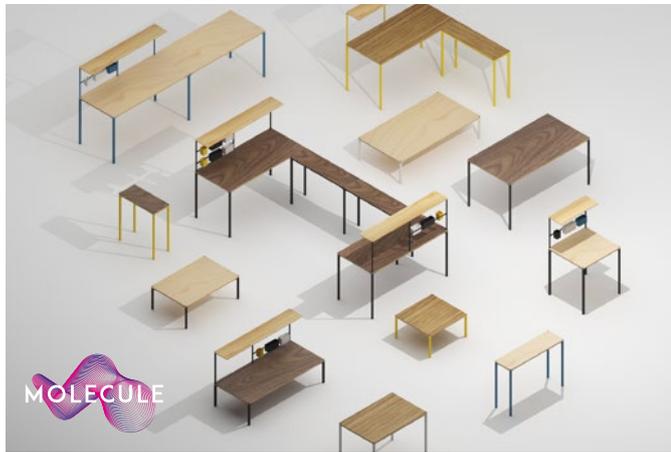
VAISHAKH SAIRAM

Primary research suggests that on average, people aged between 21-28 move every 2-3 years. This can then have an impact on their behaviour to buy and throw furniture that does not meet their new space requirements. Therefore, **Molecule** is a modular range of tables that aims to satisfy the adaptability and mobility needs of 'generation rent'. The hybrid table top is made from end grain balsa, pine slats and birch plywood left alone or finished with veneer. The legs are also easily removable, making a table switch from a dining table into a coffee table.

Zen is a new kind of floor lamp that is designed for relaxation after a hard day at work. Inspired by the motion of waves and raindrops hitting a surface, the lamp creates motion similar to this by using addressable RGB lights. The RGB lights are algorithmic and uses colour temperatures from the sunset, causing a calm and relaxing environment. Made from aluminium extrusion wrapped in fabric, water jet cut steel, and acrylic the floor lamp is lightweight and can be easily transported, saving fuel costs.

E vaishaksairam@gmail.com
T +44 7547272459
W be.net/va8
S instagram.com/vsk_k





RAMNA SHAHID

Tactile Concrete is a material exploration project focusing on concrete as a decorative material. The playful collection of pieces, including a small coffee table, tealight holders and texture sample dolls, demonstrates concrete's ability to take on a multitude of forms and textures; inspiring curiosity, playfulness and touch.

Ikigai is a Japanese concept, roughly translating to "reason for being". It describes a lifestyle that balances the spiritual with the practical.

In this project the humble notice board is redesigned with a focus on mental well-being. Using the paired mood tracking app, the user can see visuals over time and change their habits accordingly to improve; with the board as a tool to help them. The user is warned if their mood is consistently low by the changed position of the hand that points to the upper right, where the user is encouraged to place something on the board related to their well-being goals.

E ramnashahid@hotmail.co.uk
T +44 7941 225727
W ramna.myportfolio.com
S linkedin.com/in/ramnashahid

Ramnashahid





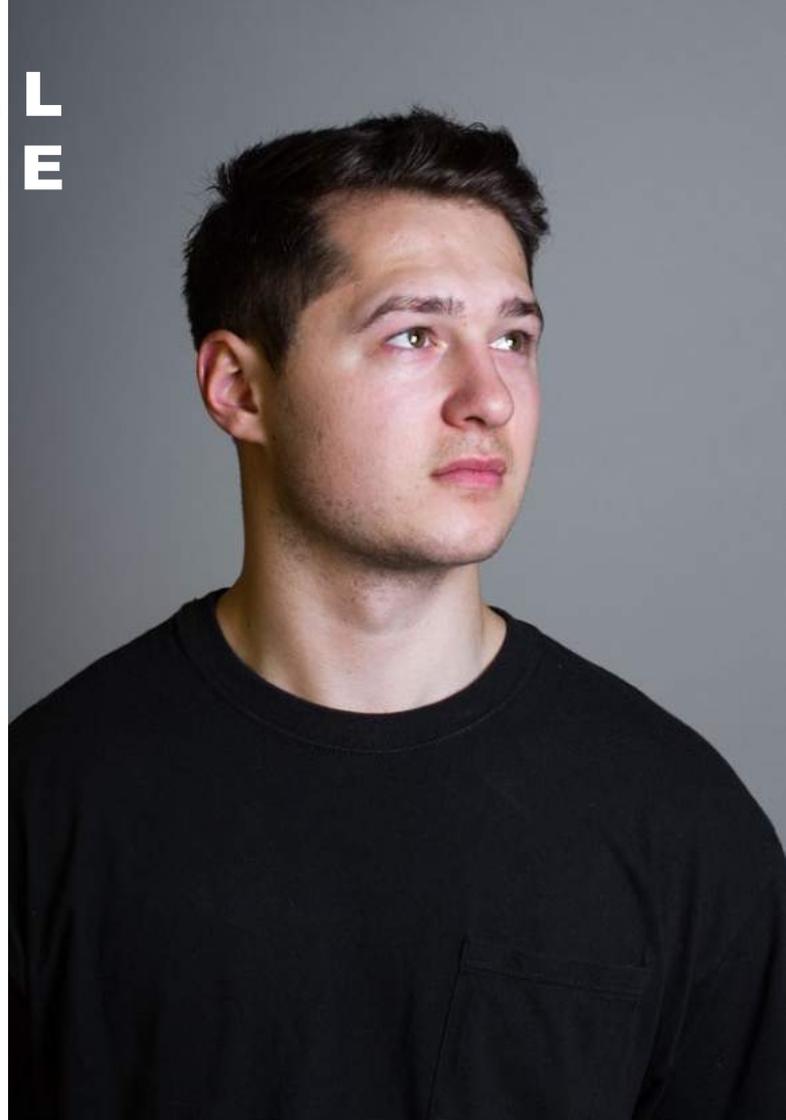
MAXWELL STEELE

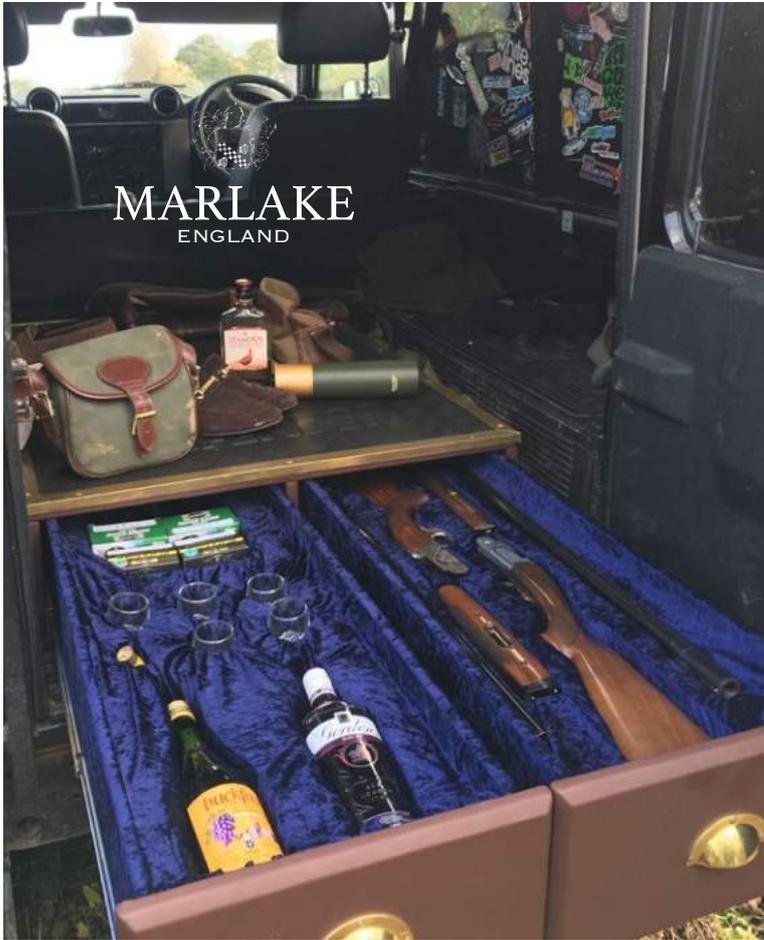
The **Marlake Bespoke Gun Box** is a luxurious, hand made gun and drinks cabinet built specially to fit within a clients vehicle.

The gun box is a safe and stylish way to transport your guns, ammunition, clothing and accessories and can be supplied with a hospitality unit to house your drinks, glasses, and flasks. They can also be provided with a removable dog-proof cover or a permanent inlaid mat, with additional logo to match your vehicles brand.

Each product is engineered and constructed from materials that are not only best suited to the application, but are ultimately aesthetically pleasing to the eye. The gun boxes can be designed and manufactured to a high level with the exacting specification that the client requires.

E maxsteele96@yahoo.co.uk
T +44 7850 308268
S [instagram.com/mdesignprojects](https://www.instagram.com/mdesignprojects)





CHARLES STEWART

Paper Reality is a bespoke new invention entering the mailing market. Its creative design offers a powerful impact providing customers with a surprise and delight feeling. What may be defined as a pop-up has actually been inspired by ancient and traditional Kirigami and Vietnamese folding methods, Paper Reality provides customers with not only a unique design but also a sentimental one. Being made from a Silk board provides users with a premium sustainable product, in which 100% of it can be recycled. Paper Reality has been designed to provide a better alternative to large letter campaigns. It is the next step to creating a successful mailing campaign.

The **CAPSULE Collection** has been designed to provide your home with a sense of clarity and elegance. It's simple yet beautiful design can create a topic of conversation providing your kitchen island with not only a functional piece of lighting but also a decorative piece.

E charlie.stewart96@outlook.com
T +44 7539 645352
S instagram.com/charliestewart_





SOPHIE TAYLOR

I Am Skincare has been developed to fill a gap in the market for a skincare brand designed for all genders. The concept is based around a subscription service where consumers are initially provided with products in long lasting packaging and further deliveries contain refills supplied in compostable pouches.

The brand stands for individuality, diversity and sustainability encouraging customers to embrace their personality, style and be confident in who they are. A fully online and application based purchasing system is ideal for the target audience, Generation Z, allowing them to easily and quickly make initial and repeat purchases. The small range of products boasts natural ingredients formulated to specifically help skincare problem areas with late teens.

I Am Individual. I Am Sustainable. I Am Who I Am.
I Am Skincare.

E sophie_taylor1996@hotmail.co.uk
T +44 7415459775
W [linkedin.com/in/sophietaylor1996](https://www.linkedin.com/in/sophietaylor1996)





TOM WALKER

Community Installation is a message board designed to provide a catalyst for connection within Nottingham, tackling social isolation. S.I is as bad for your health as smoking 15 cigarettes a day and costs the NHS an average of £12,000 per person affected each year. The installation is designed to mimic a Starling murmuration - a metaphor of social connection. Users attach messages (recommendations of local community clubs, positive messages or words of advice) to the installation, allowing users to access helpful information and receive support discretely and creatively - connecting the community.

Nottingham Castle Caves Advertisement aims to change the perspective of Nottingham Castle. The Castle can be a victim of its own reputation, with customers often left disappointed when they discover the lack of an actual castle. The cave advertisement project creatively informs consumers of the medieval caves located at this astounding piece of local history.

E tomwalker_95@yahoo.com
T +44 73754 87266
W [linkedin.com/in/tomwalker95](https://www.linkedin.com/in/tomwalker95)





Community Installation



Castle Caves Advertisement



ALBIE WATERTON

Concrete is often associated with a distinctive set of preconceptions. **BIAS** is a material led cocktail bar, which has been designed to push the limits of concrete, whilst still creating a product that lives up to its durable characteristics. The end result is a unique warped concrete tabletop with a lavish finish, that invites the user to interact. Developments of BIAS have led to the product being able to change aesthetic over time with user wear.

ISI is a hand paddle for improving your freestyle technique without the need for a swimming coach. The convex design of the paddle improves the body position and streamlines the hand entry, to eliminate cross over in front of the head. The paddle increases the feel for the water, and allows swimmers to make adjustments to their own technique as they swim. Through the unique ergonomic shape designed to fit natural contour of the hand ISI utilises a strapless design.

E watertonalbie@gmail.com
T +44 7903 201296
W afwdesign.carbonmade.com
S [linkedin.com/in/albiewaterton](https://www.linkedin.com/in/albiewaterton)

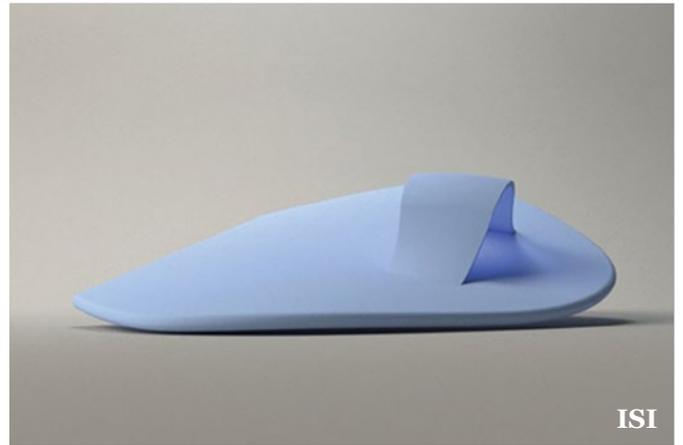




BIAS



BIAS



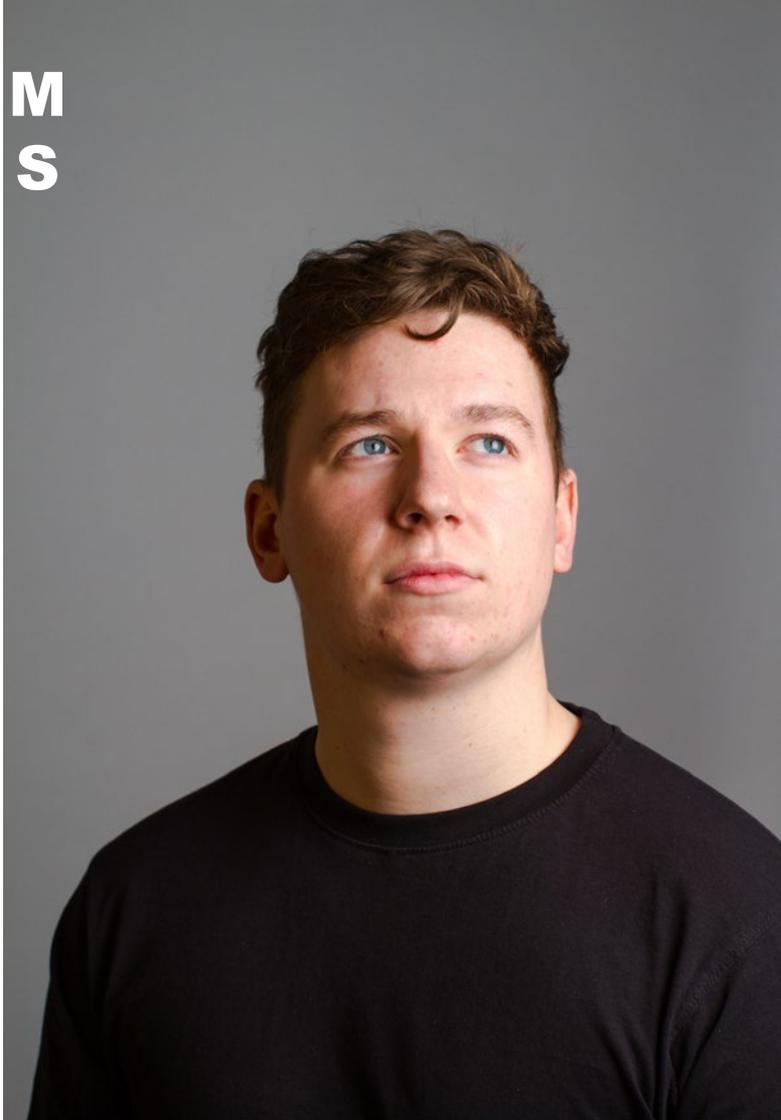
ISI

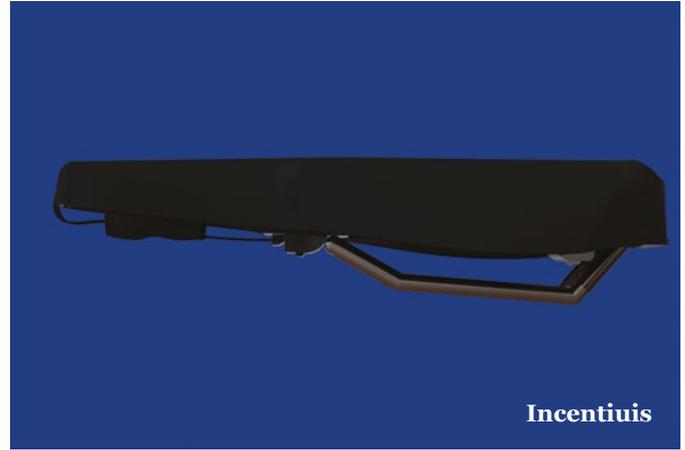
TOM WATKINS

The **Incentiuus** allows riders to safely store their valuables within the saddle itself. The innovative development of a safe box reduces the need for backpacks and pocket usage, ensuring that items such as mobile phones are safely protected, centrally positioned on the bike and easily accessible. The full carbon fibre chassis creates a durable yet lightweight saddle, and the use of multiple foam cores create effective vibrational dampening. Oversized stainless steel rails help to give the saddle stiffness to ensure the durability of the design, meaning that the user can ride mountain bike trails in comfort and in confidence that their valuables are safe.

The **Mindful Toolkit** investigated the issue that affects 1 in 4 of us in the U.K, anxiety and depression. The product was developed for the office environment allowing users to anonymously select a method that suits their feelings, which is transmitted to the app's colour coordinated hexagons size. This process was developed to assist the user in finding their own methods to deal with their mental health- finding the tool to help them best.

E thomaswatkins13@gmail.com
T +44 7864 907745
W tomwatkinsdesign.myportfolio.com
S [linkedin.com/in/tomwatkinsdesign](https://www.linkedin.com/in/tomwatkinsdesign)





Incentiuus



Incentiuus



Mindful Toolkit

TOM WATLOW

Intended to be used in a cluster, or 3-in-a-row formation over a kitchen island or breakfast bar, the **Tulip Pendant** is available in a range of 3 different metallic materials; brass, copper, or stainless steel, and a choice of either European Oak or American Walnut for the stem. The powder coated exterior can be RAL colour matched to the preference of the client, corresponding to a colour from the interior of their kitchen. The light emits a warm amber glow and the curvature of both pendant halves meet to create a subtle seam detail at the front.

Through research discovering the rise of urbanisation of young people, coupled with the development of increasingly smaller homes, there was a need for adaptable and space-saving furniture. Taking influence from the Japanese art form of origami, ('Isu' means 'chair' in Japanese), the **Isu Table** functions as a generic side table which can be folded out to a chair using cut and fold lines. This provides an extra seat space within the living interior, for either generic or dining use. The Isu Table comes flat-packed, and can be easily dissembled by the user.

E tomwatlow@hotmail.com
T +44 7580 317973
W issuu.com/tomwatlow
S [linkedin.com/in/tomwatlow](https://www.linkedin.com/in/tomwatlow)

Tom Watlow





Tulip Pendant
By Tom Wattow



GRAIHAGH WATSON

Norma is a contemporary clothing rail that prides itself on putting clothes on display and creating an open atmosphere not confined to four walls. Inspired by the beauty of curved wood, Norma uses Plywood to make a curved design that is accessible, clean and flat packed.

Made from two sheets of Birch Plywood, the flat pack design needs no fittings, fixtures or tools beyond your own hands. Designed for Generation Rent the clothing rail is easily assembled and disassembled without fear of damaging the parts or requiring a weekend to put together. As an open source document, the design would be available for download globally, allowing it to be made by local makers on demand using CNC cutting, thereby reducing the carbon footprint and excess manufacture.

E graihagh.watson@gmail.com
T +44 7957 437552
W [linkedin.com/in/graihagh-watson](https://www.linkedin.com/in/graihagh-watson)





Norma



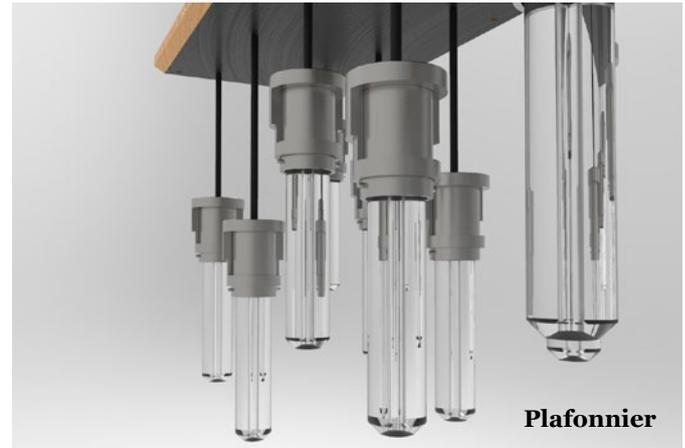
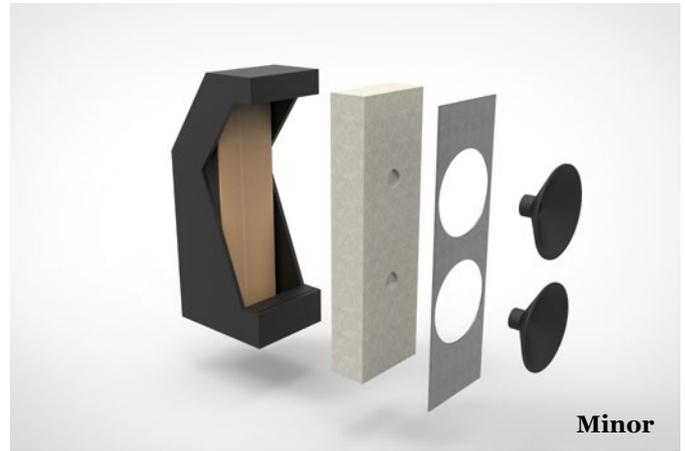
JOE WEBB

Minor Project. These speakers are a set of free standing stereo sound speakers. They are made out of a combination of wood, concrete and steel plates. The focus of the project was to introduce unconventional materials to the world of loudspeaker design. It was also designed to celebrate the combination of the materials and see the components that go in to making a speaker.

Plafonnier uses the reaction of light shining down a clear acrylic rod to create a unique effect of diffusing light around the room. This is enhanced by the machined ends of the acrylic rod, projecting the light at a wider angle around the room. The design style of Plafonnier is Urban with a modern twist. With the Plafonnier using LED bulbs, the running costs and carbon footprint of the light are reduced, at the same time the life span of the light is increased.

E joewebb_designs@hotmail.com
T +447511526672





FRASER WEDGWOOD

Myst is an indoor Green Wall panel made for modern city life with those in mind who don't have easy access to nature. The vertical garden has a modular design which accommodates different user & plant needs. It can be used in an office, kitchen, bathroom or any living space, to improve productivity and air quality whilst transforming a lifeless space into a relaxing one through an infusion of nature. The system autonomously delivers water and nutrients to the plant's roots in the form of a fine mist. The benefit of using mist means the roots absorb water molecules easier, consuming 80% less water and energy than other hydroponics, while also growing plants quicker.

Shrumi is an eco-friendly, portable speaker with a casing grown naturally from Mycelium (mushroom material) and fitted with recycled material components. It reduces waste in the consumer speaker industry through the combination of natural material choices and a simple recycling/repair/replacement scheme. The project addressed the problem of wasteful manufacturing and disposal in the electronic speaker industry while presenting an innovative, natural alternative to toxic material choices and processes.

E fraserwedgwood11@gmail.com
T +44 7794300952
W behance.net/fraserwedgwood
S [instagram.com/wedgwooddesigns](https://www.instagram.com/wedgwooddesigns)





SAM WHETTON

The perfect companion for wherever life takes you.

Reika is a travel backpack, designed for one-bag travel and manufactured from recovered ocean waste recycled polyester. This process reduces energy consumption by sixty percent, whilst removing around fifteen PET bottles from our oceans. Reika takes the stress out of travelling, by giving you access to everything you need, whenever you need it, whilst ensuring your most valuable possessions are kept safe and secure.

Bryte is a range of premium pendant lights which are designed to create a sense of mood and atmosphere, as well as being a conversation starter within any interior, due to their unique style. The foundations of the design were formed on three pillars of equal consideration; aesthetics, materials and manufacturing. Each light is produced from press formed, annealed aluminium, which is then carefully covered with Italian napa leather. Each shape has been individually calculated, meaning that each light uses the same components, with the only changing element being the formers used.

E sjcwhetton@gmail.com
T +44 7568 188280
W behance.com/samwhetton
S instagram.com/sjcwhetton

S. Whetton.





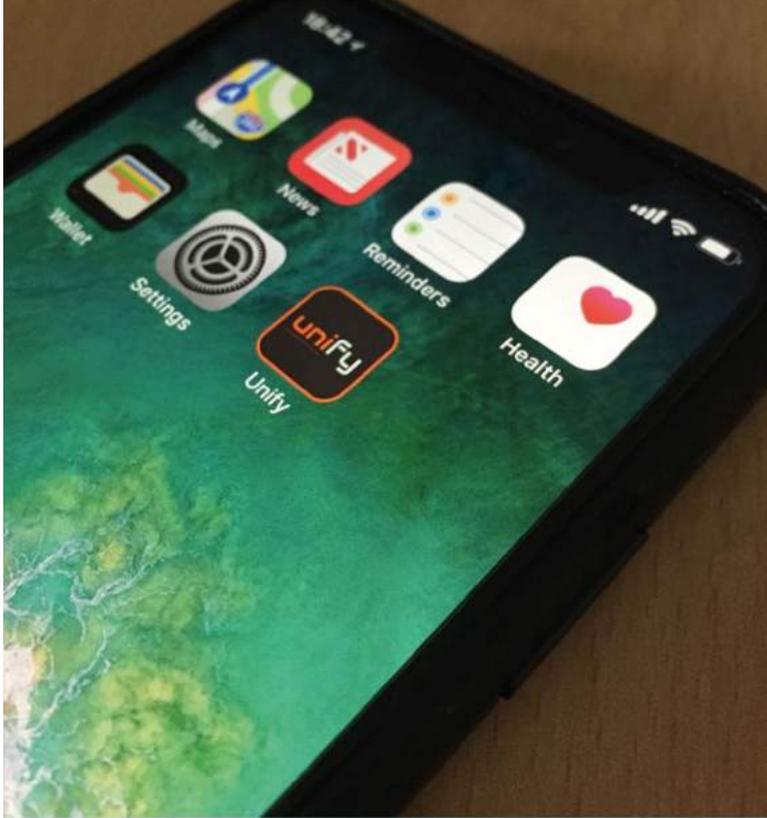
TOM WHITE

Unify is a modern application used to connect first years at university before they start. It creates an easy to use platform for you and your new neighbours or course mates to unite, making the start of university less stressful! This application was created to alleviate the stress of who you will live with and how to make friends - one of the most important worries before students start university! The aim is to bring students together before university, making it easier to form friendships and communicate with your cohort and halls of residence residents. Fences are sometimes necessary, but online privacy is always necessary. Unify makes it safe to share online, following all privacy laws. Everyone has to verify themselves, all passwords are protected and encrypted, and no information will ever be shared.

Lekki is a stand-alone children's mood light would fit comfortable in any child's bedroom. With a multi coloured LED bulb, you can choose what colour you want, creating the soothing desired effect needed.

E white.tomf@gmail.com
T +44 7772 473999
W [linkedin.com/in/whitetomf](https://www.linkedin.com/in/whitetomf)





The private social network
for your university.



Handy

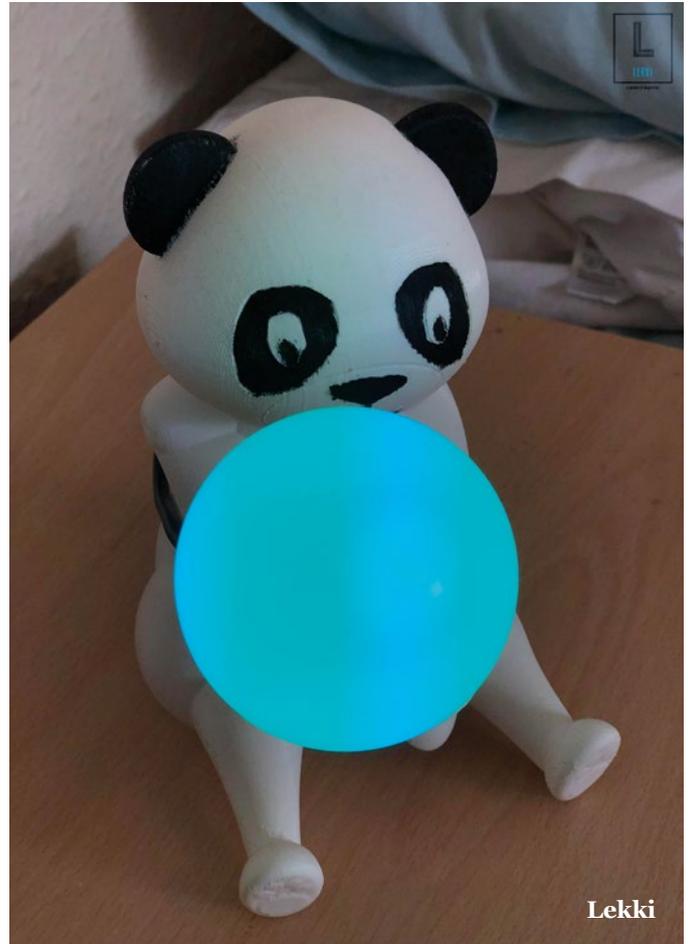


Private



Trusted

Unify



Lekki

REBECCA WHITTLE

After conducting research into the effect technology has had on memory function, mental illness and stress, **Bodhi&Mind** was created.

Bodhi&Mind was developed to encourage positive lifestyle changes based around diet, exercise and organisation. The aim of the service is to help the user adapt to and lead a more positive lifestyle, reducing the possibility of developing stress-based disorders, whilst also following preventative measures to reduce the possibility of illnesses such as Alzheimer's disease.

Bodhi&Mind is a 12-month subscription-based plan, with an initial delivery of an hourglass and annual journal, to encourage the user to engage in reflection and mindfulness, whilst allowing for daily planning. Monthly follow up deliveries are then provided with exercise cards, recipe ideas and a puzzle book with the aim of inspiring creativity in exercise, diet and keeping the mind active and challenged.

E rebeccawhittle_1995@hotmail.com
T +44 7722 732970

Rebecca





LOUIS WILLCOX

K7 (*kay-sept*) is a domestic shelving system designed to allow users to prolong the life of their plants, especially in low light conditions. In using somewhat perishable materials individual character develops over time. The design rekindles a lost relationship with nature whilst providing a usable service, creating a tangible green space benefiting both physical and mental health.

Using a minimalistic but well considered range of components, **Sarek** grows in terms of optimisation to each user, creating countless combinations tailored to an individual's needs. The hard-wearing but lightweight Aluminium/Ash frame allows consumers the assurance of longevity, furthermore allowing for modular expansion through the interlocking structure. Sun-bleached Ash features allow for a characterful design; combining strength, durability and calming natural aesthetics. The project delivers a bespoke and personalised service without the allocated cost.

E louiswillcoxdesign@gmail.com
T +44 7701 346836
W louiswillcoxdesign.com
S instagram.com/louiswillcoxdesign

Louis Willcox





ANTHONY KAYNE YAU

Homemade smoothies are perceived as a win-win food for people trying to lose/gain weight and eat healthily. Protein smoothies are both tasty and nutritious. The only thing needed is a personal blender and it was found that one of the problems stopping people from using a blender is because it takes too long to make, and they make a mess.

The **HYPERMIX Personal Blender** is designed to suit the convenience of customers with new functions, to make the job easier.

The lid contains a small amount of water to wash away the leftovers after drinking the smoothie, preventing the bottle to smell. The 3-speed motor fits under the bottle and connects the blade. The protein powder container also fits under the bottle, allowing gym goers to bring it to their sessions. A cutting device shortens the making process by cutting fruits into pieces in one cut, and it fits on the motor when not needed. The stainless-steel exterior keeps the smoothie cool and protects the product. The size of the bottle is capable to comfortably fit the wrist.

E ak_yau@hotmail.com
T +44 7449 921427
S instagram.com/a_kayneau

Anthony



HYPERMIX 



BSC PRODUCT DESIGN

FOREWORD FROM DR. MATTHEW WATKINS
PORTFOLIO OF WORK



DR. MATTHEW WATKINS

BSc (Hons) Product Design final year Module Leader

The BSc Product Design Class of 2018 is the largest final year cohort in recent memory and one of the most successful, with students winning multiple competitions in their 1st & 2nd years, including the 2015 Starpack competition, the 2016 Design Innovation in Plastics competition and 2016 Engineers without Borders challenge. Furthermore, this cohort were very successful in live industry briefs with McGee awarding half of the cohort cash prizes for their impressive solutions to their Cycle Safety challenge, of which two innovations are currently undergoing real world testing for commercialisation.

The final year projects presented in this brochure capture the BSc Product Design students' learning and knowledge gained throughout their degree. A range of projects are presented that address various societal needs and real-world challenges, including sustainable transportation/energy and materials, inclusive design, water safety, and an increasing focus on medical applications. All of which have been developed with dedication into innovative, technologically designed solutions that intend to make a positive impact on the world around them.

Beyond these successes and impressive body of work, what has struck me most about this cohort over the past 4 years is their sense of community and strength of relationships between the students who are a tight knit community who excel whether they are working together or alone. The ability and willingness to help and support one another throughout their studies has been inspiring and as they go forward from their time here at NTU, I know that they will take firmly rooted friendships and a commitment to shared professional practice that will be of great benefit to their working lives.

“In order to change an existing paradigm you do not struggle to try and change the problematic model. You create a new model and make the old one obsolete.” - R. Buckminster Fuller

Matthew Dutton





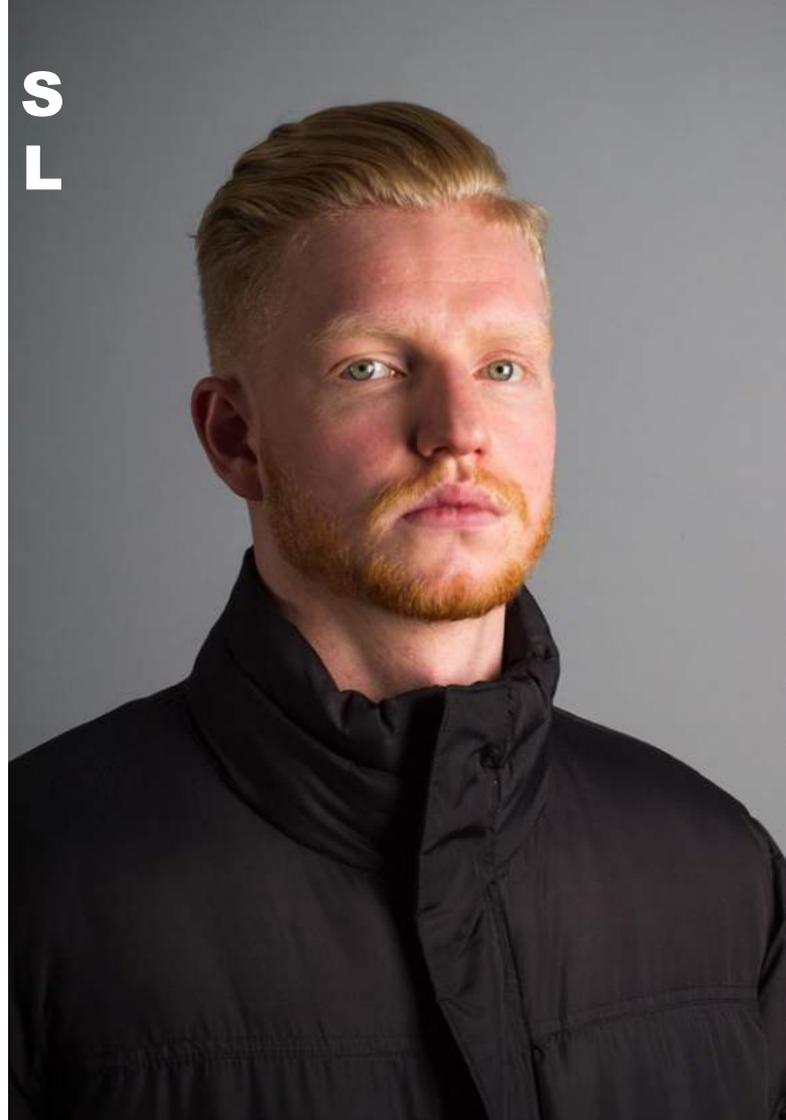
JAMES BARDWELL

Compression+ is an innovative snow chain that drastically reduces snow chain application and removal times. Combining an intuitive application process with an automatic compression system ensures this product is always fixed firmly to the vehicle wheel, resulting in increased traction and heightened safety for the motorist.

Compression+ has an intuitive user-friendly application process, simply attach the central hub to any one of the vehicle wheel nuts, twist, and lock into place. Then place each compression arm onto the tyre surface and feed the straps into the compression system. Drive off and Compression+ will automatically tighten, providing excellent traction and increased performance on snow and ice.

Compression+ mounts to the outside circumference of the wheel, and is designed specifically for use on vehicles with limited clearance, as the gap between the tyre and the suspension can be as little as 3mm.

E james.bardwell1@gmail.com
T +44 7799 676066
S linkedin.com/in/jamesbardwell96



COMPRESSION⁺

INTUITIVE | QUALITY | DYNAMIC

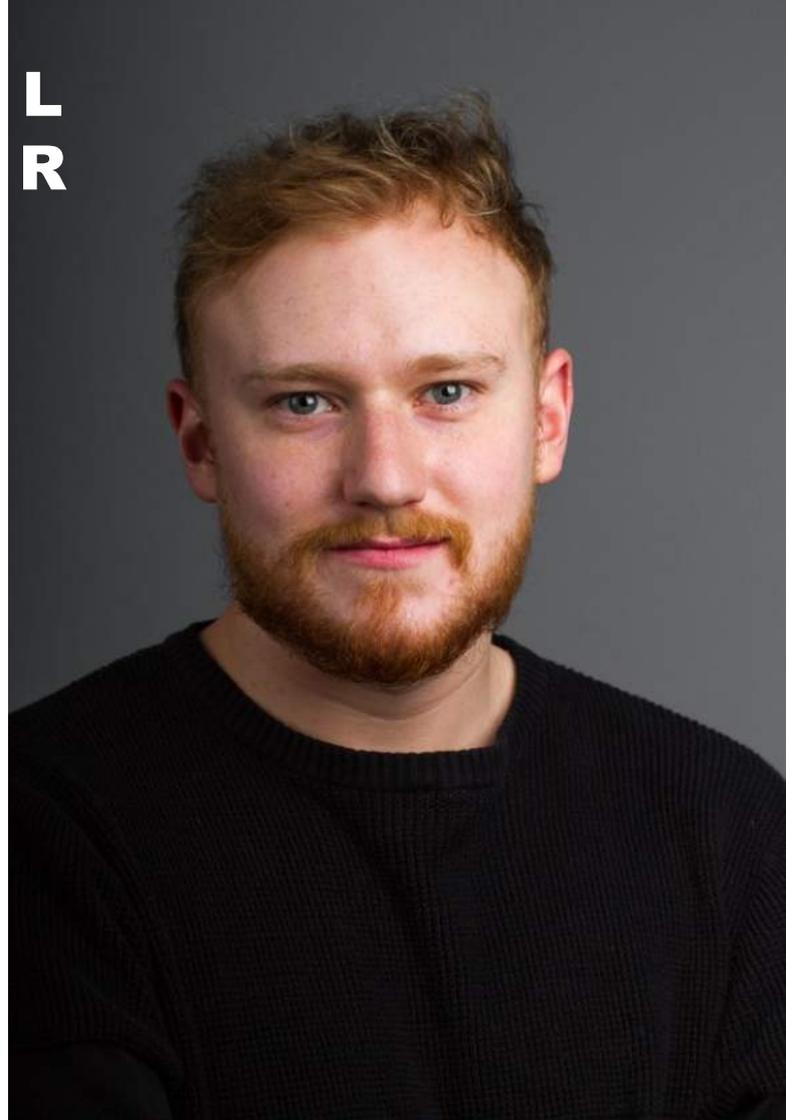


SAMUEL BOWDLER

Between the years of 2000 and 2016 there were 139 fatal drownings of commercial fishermen in UK waters; of those 139 only 17 were wearing a Personal Floatation Device (PFD). Despite it being shown that the chance of survival is around 5 times greater when one is being worn, many commercial fishermen continually choose not to wear one.

The **Safety Waders** aim is to take the responsibility of wearing a Personal Floatation Device out of the fishermen's hands by incorporating a PFD into the shoulder straps of a pair of standard waders. Due to the waders seemingly being one of the only pieces of equipment consistently worn out on deck, this design ensures that a PFD is worn at all times. The bladder within the PFD will automatically inflate when it is submerged in water and once fully inflated will provide 150N of buoyancy.

E sambowdler@hotmail.co.uk
T +44 7434 951382
W sambowdler.co.uk

A stylized, handwritten signature of the name 'Bowdler' in black ink, featuring a horizontal line above the letters.



ANNABEL BURTON

An Ostomate is someone who has undergone lifesaving Ostomy surgery - resulting in the patient passing their excrement through a hole (stoma) in their abdomen, with zero control. 1 in 500 UK citizens currently live with a stoma & 21,000 new stomas patients each year.

78% of Ostomates develop a hernia as a result of Ostomy surgery, yet the only preventative measure currently available is a support belt. My research found these belts to be likened to a corset and were only worn by 27% of interviewees. **StomO** is the first device designed to be implanted during Ostomy surgery, with the aim of preventing a hernia. StomO is a life changing alternative which could dramatically relieve discomfort & trepidation.

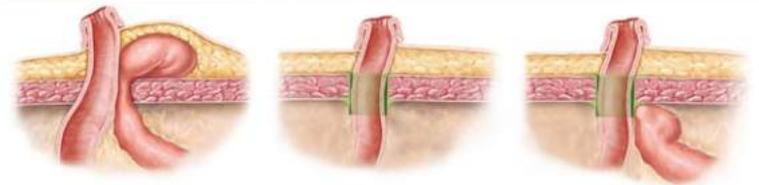
Osto-me is the first ostomy bag designed to expand with output. Featuring a drainable inner bag, Osto-me is reusable and removes the need to wear excessively large medical products, allowing for a more personal design.

Both products could dramatically reduce costs for the NHS.

E annabelburton95@gmail.com
T +447 598 283419
W flixbuckle.com
S [linkedin.com/in/annabel-burton](https://www.linkedin.com/in/annabel-burton)

A. BURTON





RICHARD BYLE

TRAQUA is a scuba diver tracking system, aimed at recreational divers and diving schools. TRAQUA maintains the high-quality target positioning of commercial diver trackers, at a fraction of the cost.

TRAQUA brings the same safety and tracking quality standards to recreational diving, used by expensive commercial dive and oil companies. Taking an established technology, also used to track submersible Remote Operated Vehicles and reapplying this to divers, is a safe and proven way to know where your divers are underwater.

The quick release, yet secure latch, allows all connectors to be internalised, eliminating the need for expensive and specialised subsea connectors. With an internal battery, this also means TRAQUA has no long and irritating umbilical to plug into an exterior battery, also requiring its own mounting system.

E richard.byle@outlook.com
T +44 7880 671643
S [linkedin.com/in/richardbyledesign/](https://www.linkedin.com/in/richardbyledesign/)





ROBERT CLARKSON

Raised Access Flooring is a long-term system which raises the floor level to provide space for wiring or piping that would usually be exposed. These systems are typically used in an industrial or commercial setting and allow easy access to wiring below as well as sometimes being used for ventilation systems.

This project explored the ongoing research and development of a sustainable raised access flooring system at NTU. The focus was the optimization of the stringers and to aid the development of the composite panel through tensile testing, to meet BS EN standards.

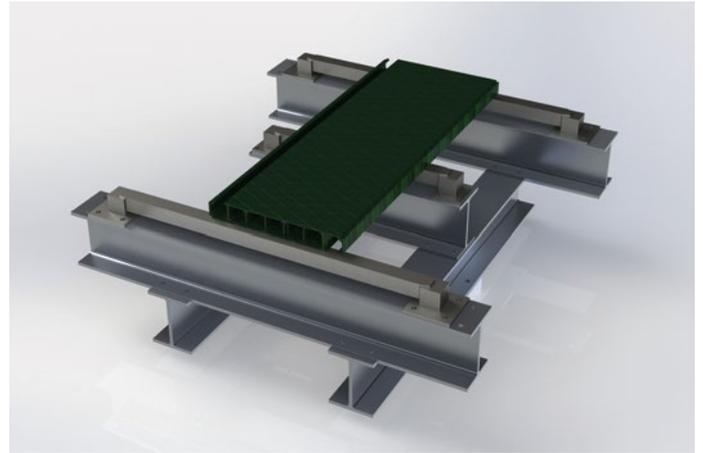
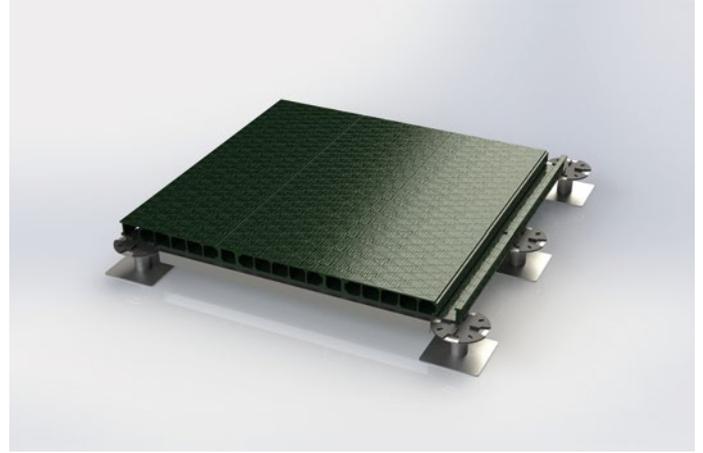
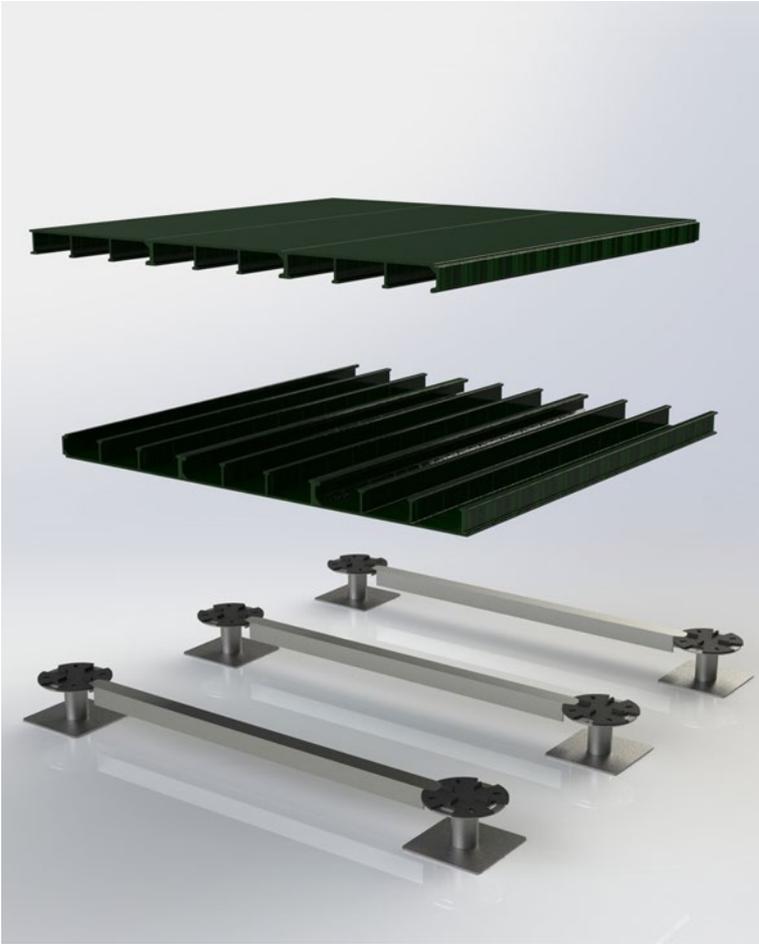
Modifications to an existing test rig were made to accommodate the new stringer design which allowed the product to be tested.

E robclarkson16@gmail.com

T +44 7908 237613

W [linkedin.com/in/robert-clarkson-8a3257a7](https://www.linkedin.com/in/robert-clarkson-8a3257a7)





JACK DAVIES

The **Electron Cycles V1** is a next generation electric bike, combining powerful electric assist to increase the range and speed of cycle journeys, as well as integrated smart features to make cycling a more attractive transport option.

The frame is comprised of an extruded aluminium profile, fixed with additive manufactured connectors, enabling bikes to be economically produced in any geometry, completely tailored to the rider. The electronics are integrated inside the frame, resulting in a clean aesthetic.

An OLED screen displays real time information to the rider, including speed and battery life, as well as location information. Vibration motors in the handlebars also provide turn by turn navigation signals.

A smart lock is integrated into the frame of the bike, combined with the charger for simple and secure operation. The bike can be unlocked using a fingerprint or also using a key. Fail-safe systems ensure the bike stays secure at all times.

E mail@jackdavies.co
T +44 7951 309995
W jackdavies.co
S [instagram.com/jackdaviesdesign](https://www.instagram.com/jackdaviesdesign)

JDavies



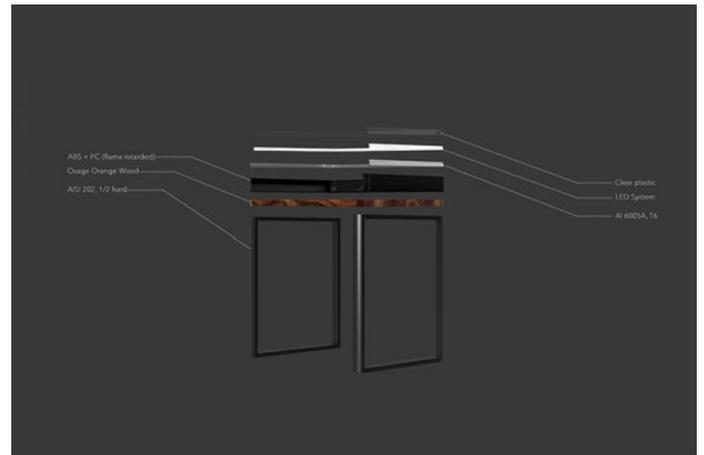
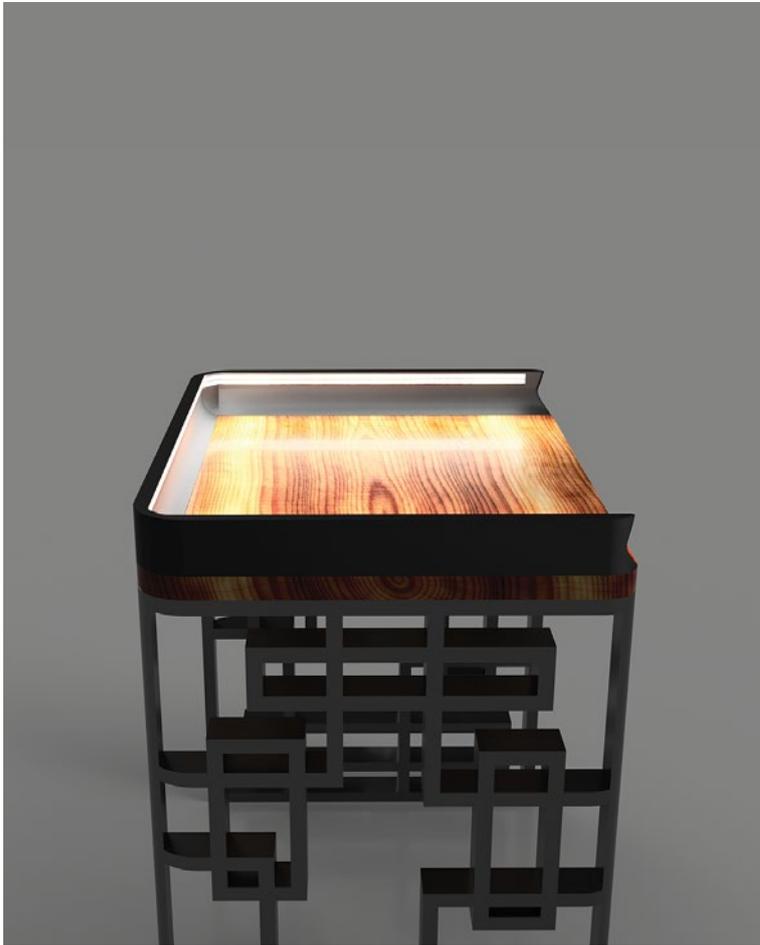


BOGDAN DRAGUSIN

SMART TABLE+ is about product design and revolution in design. My goal was to take two of the most common and used products in everyday life and to combine them into one, creating a new revolutionary product. The way I approached this project was a little different because I focused more on the users and what they really need. The development process was made at Nottingham Trent University in partnership with Sapa Profiles Ltd., which specializes in aluminium and extrusion processes. The brief of the project was to use an aluminium alloy and also the use of the extrusion process, which along with the other materials to form an assembly for the new design. Even though it is not visible, aluminium alloy plays the most important role in this project because it is the support for the LED system, which allows the replacement of an ordinary lamp.

E dragusin_bogdan@hotmail.com
T +40 756 299396
W [instagram.com/designaworld](https://www.instagram.com/designaworld)





SEAN DRUMMOND

:MOVE TWO, an educational robot designed to aid the teaching of Computer Science at Key Stage two level. The product revolves around modularity, featuring magnetic, pre-packaged, electronic components. They can be stacked to suit the specific requirements and complexity of each individual lesson. First time coders can simply program the incorporated motors. Whereas advanced students can create an autonomous robot by stacking up to six additional modules, such as light clusters, and other environmental monitoring sensors. All programmable via snap together coding blocks.

SLDR is a motorised, camera slider system, suitable for DSLR cameras. The modular, tessellating design allows the sliding system to compact down into a small package approximately a third of the size of existing sliders. This allows the product to be easily transported in a backpack and assembled when desired. Manufactured from 6000 series aluminium and finished with a hard anodisation process, the product remains lightweight, durable, and attractive.

E sjdrummond@me.com
T +44 7429 442146
W [linkedin.com/in/drummond1](https://www.linkedin.com/in/drummond1)
S [instagram.com/drummond_design](https://www.instagram.com/drummond_design)





EMMANUEL FADEHAN

During my year abroad I had the privilege to work in a team called the **Formula Cruisers**; creating an all-electric race car and competing in multiple competitions, such as Evodays-Belgium and Formula Student-UK, “Europe’s most established educational Motorsport competition.” I was able to work alongside other students around Europe from different disciplines, greatly enhancing my experience. As a designer I had a major influence on the design of the bodywork, its fabrication, marketing and promotional materials. Upon reflection I can confidently say I now have a greater appreciation on the Engineering side and can see a future there.

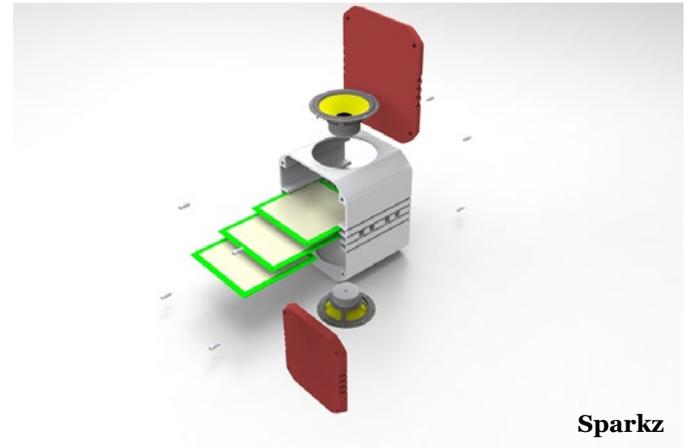
A brief set by SAPA; to design a product that utilizes an aluminium alloy and the extrusion process. The solution is an affordable smart speaker; a concept with a contemporary design, targeted average consumers and potentially commercially viable, with very low environmental impact. Made from a single piece of extruded Aluminium, with a brushed finish and ABS end tips to house the internal electronics - **Sparkz**.

E f3mmanuel@gmail.com
T +44 7450 005457
W fadedesign.wordpress.com
S linkedin.com/in/emmanuel-fadehan-b76972b0





Formula Cruisers



Sparkz

JAMIE FERNANDEZ

ProWalk is a lower-body exoskeleton designed for people with walking difficulties. This could be due to muscular problems, bone diseases or recovery after an injury. The prototype consisted of motors, sensors and gears. I completed this project whilst undertaking the European Project Semester (EPS) at Universitat Politècnica de València. EPS was a highly rewarding experience that allowed me to work and integrate with students from many different backgrounds and cultures.

Stow is a fold-away table which aims to optimise space. This design project was set by aluminium extrusion company, SAPA. The extruded hinge joint allows for the table to be wall-mounted and is the main feature of the product. The design allows for user-customisation in varying materials and sizes.

E jfernandez237@gmail.com
W [linkedin.com/in/jamie-fernandez](https://www.linkedin.com/in/jamie-fernandez)



DRÖK



KITTY FROST

The **Pod-Garden** is a modular growing unit designed to be used as an indoor garden in a household environment. It uses simplified hydroponic technology to provide a clean and easy system for growing herbs and other culinary plants. The modules work both independently or as a group to suit the needs and space requirements of the user.

Each pod expands to act as a free-standing unit when in use and can be collapsed again for transportation or storage. An integrated cultivation light has been fitted to ensure that the plants have the optimal environment to grow in. Each module has two inserts included, one is suitable for sowing seeds and the other is for more developed plants.

The pods also come in a variety of colours as well as the option to have a wooden casing, which allows users to personalise their group of pods to suit their preferences.

E kittyafrost@yahoo.co.uk
T +44 7500 618535
S [linkedin.com/in/kitty-frost-a102a1160](https://www.linkedin.com/in/kitty-frost-a102a1160)

KFrost





BHAVNI GARARA

My aluminium shelving brackets were designed during the **SAPA** Extrusion brief. This bracketing system allows for full customisation down to the material of the shelves. The installation consists of a mounting bracket and a shelf bracket. Each support bracket can be mounted using the same mounting bracket, making it possible to alter the formation without having to install a different shelf. It was designed for rental properties to allow tenants to customise their space without damaging the property.

The **DYOR (Do Your Own Robot)** project was undertaken at '*Universitat Politècnica de València (Technical Univerity)*' during my European Project Semester, under the guidance of Leopoldo Armesto. We designed and built a STEM project for primary school children. The robot kit came full with instructions and step by step videos on how to build and programme your own personalised robot. With the use of an App which myself and my international team created, the robot can be programmed with pre-prepared packets of code. We also provided skins and add-ons so that each child can possess their own unique robot.

E Bhavnigarara@hotmail.co.uk
T +44 (0)7525025662
S [linkedin.com/in/bhavni-garara-748190108](https://www.linkedin.com/in/bhavni-garara-748190108)





SAPA



DYOR



SAMUEL GEE

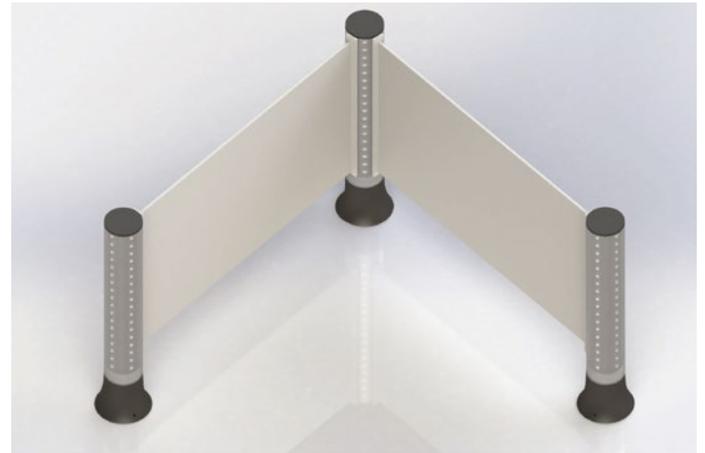
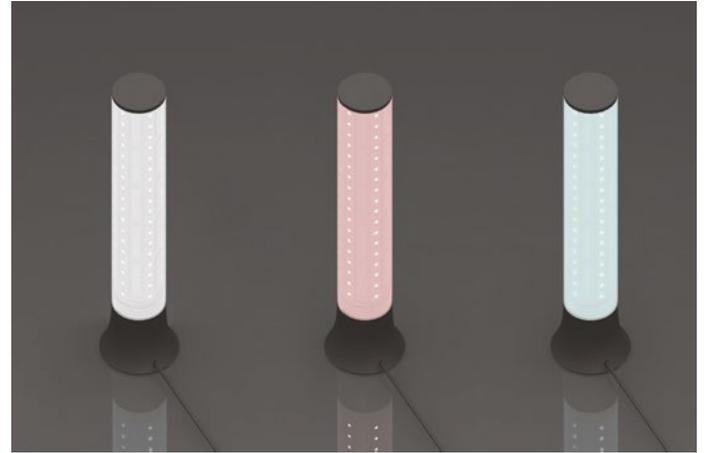
TRIO are modular office dividers which include a lighting element that tackle the issue of increasing levels of anxiety in office environments. TRIO can be used in any room of an office for different psychological effects and improved levels of productivity. TRIO can be adjusted to the user on whether they desire to interact with co-workers depending on their mood. The lighting aspect ensures they are working in a well-lit environment and produces the following effects:

White Light – Use: Desk / Conference Rooms (Increased Alertness); Red Light – Use: Break Rooms (Increased Comfort and Relaxation); Blue Light – Use: Brainstorming Rooms (Improves mood and decreases fatigue).

The inspiration came from wanting to tackle the rising issue of anxiety in society; of which in this case is rising levels of anxiety in the workplace. Anxiety causes a decrease in workplace happiness and productivity, which affects many businesses and individuals.

E email@samuelgee1996@hotmail.co.uk
T +44 7545239480
W samuelgee.co.uk
S linkedin.com/in/samuelgee1996



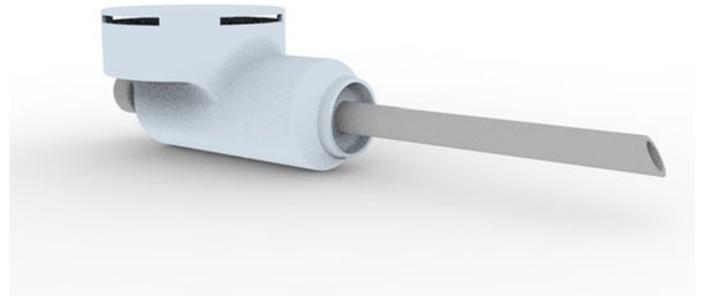
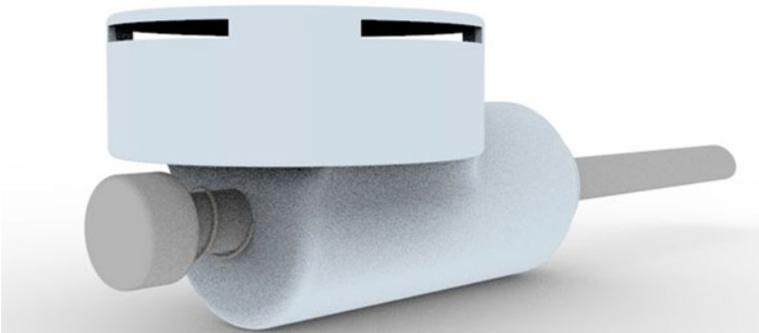


NATHAN GIBBONS

Reports from the Food and Drug Administration in 2014 talked about injuries occurring during the insertion of a trocar in laparoscopic surgery (or keyhole surgery) and some bowel or vascular injuries not being diagnosed in good time. The trocar is the tool used to make small incisions in a patient's stomach after it has been inflated as part of the surgical procedure. Therefore, developing a self-retracting trocar for the trocar will be essential for reducing the amount of injuries that could occur.

E ngibbons2212@gmail.com
T +44 7980126294
W [linkedin.com/in/ngibbons2212/](https://www.linkedin.com/in/ngibbons2212/)





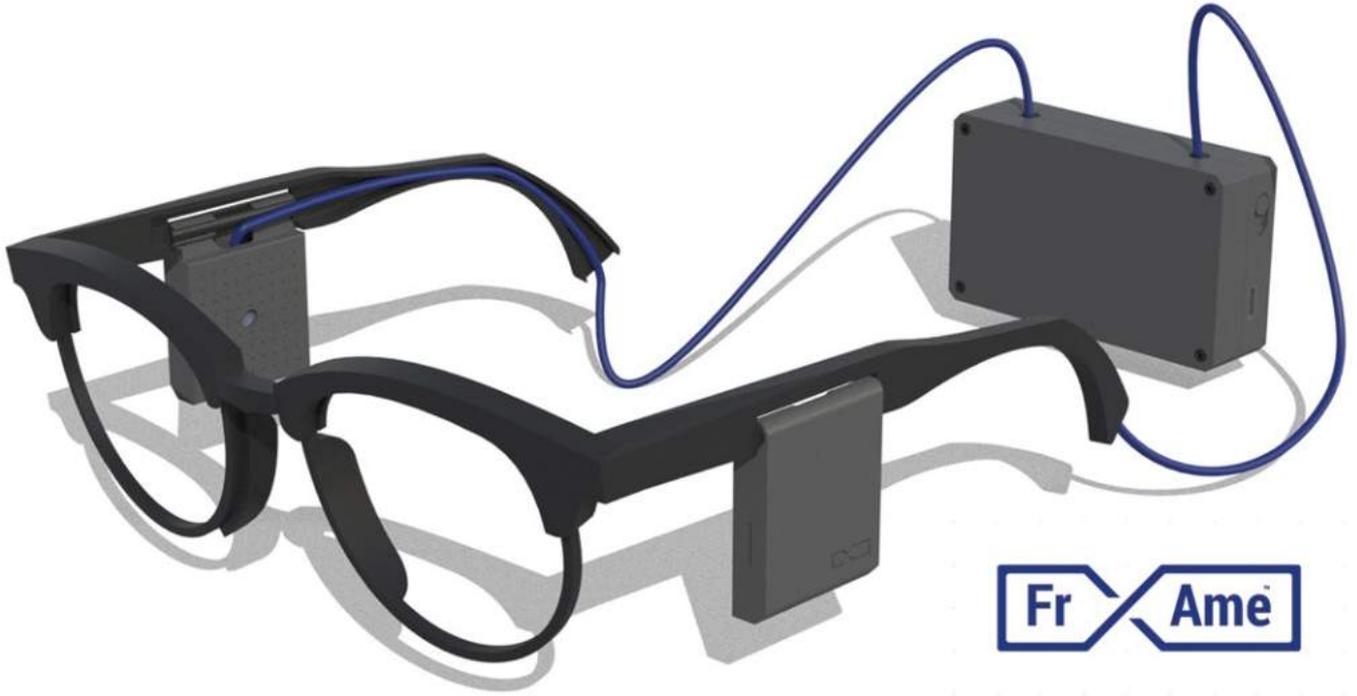
ADAM HARRIS

Over 100,000 people are affected by Facial Palsy every year in the UK with over 50 different causes. It is a debilitating condition that paralyses one or both sides of the face, in turn causing numerous problems that are both physical and emotional. At the moment in the UK, treatment is mainly consisted of routine steroid treatment, with the majority of patients struggling to access the expected physiotherapy due to a gross lack of specialist services, research and NHS funding. The **FrAme™ Glasses** however, set a new standard in the treatment and recovery process of the Facial Palsy Condition.

Taking advantage of modern optical flow sensor technology, the **FrAme™ Glasses** combine a lightweight structure, detachable sensor housings and confident aesthetic to create a product that fully appreciates optimal user experience and ergonomics. The glasses monitor muscle movements in the face during therapy exercise, providing accurate real time feedback to the patient.

E adamhdesign@outlook.com
T +44 7514116642
W adamhdesign.com





Fr Amé

emteq



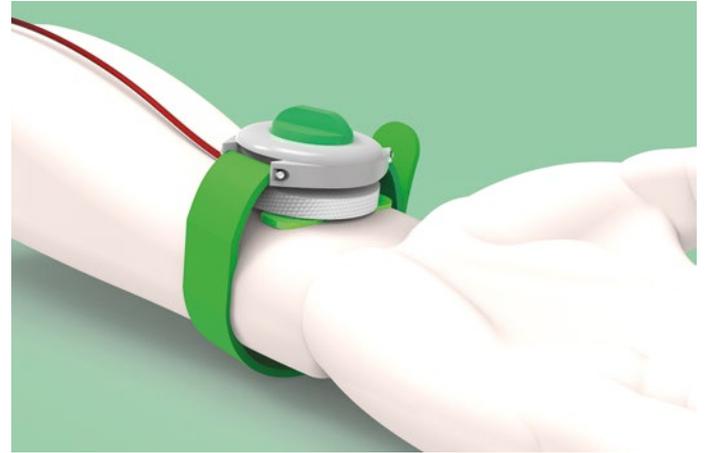
RORY JEFFRIES

After observing the haemodialysis procedure, I noticed that traditional methods of securing cannulas are outdated, potentially unhygienic and uncomfortable for the patient. This led me to an in-depth project researching all aspects of the current dialysis cannulation process that included regular patient observation and hospital visits.

HaemoLink is a cannula securement device for haemodialysis patients. It safely secures the cannulas during treatment whilst improving comfort. It has a fully adjustable silicone strap that can cater to a patient's individual needs regardless of their fistula location. HaemoLink is a fully reusable product, reducing the amount of medical waste dialysis creates each year. It does not require nurses to retrain from current cannulation methods and allows the cannulas to be secured easily at any orientation. HaemoLink improves the dialysis experience for both patients and nurses.

E roryjeffries25@gmail.com
T +44 7857 033883
W roryjeffries.myportfolio.com
S [instagram.com/roryjeffries](https://www.instagram.com/roryjeffries)





OLLIE KIRBY

The automotive market is currently experiencing an electric revolution. The need to design for the future through investing in renewable alternatives is becoming increasingly necessary. **REVEC** is an eMotorcycle developed as a final year major study project. This retrofitting conversion kit attempts to address the problem of excessive waste creation, urban air pollution and inefficiency of road networks. **REVEC** is an example of an upcycled, 'end of life' 1975 Honda SS50, demonstrating the feasibility in reconditioning a non-working liability into a cleaner, cheaper and faster method of urban commuting transport.

The main design feature of the emotorcycle included the battery assembly. With the removal of the combustion engine, the now heaviest components required secure fixture to provide safe handling. The DIY conversion kit aimed to offer improved ergonomics and rider comfort to every motorcycle.

E uk.linkedin.com/in/OllieKirby
E OliverKirby@hotmail.co.uk
T +447714136308





REVEC

NICHOLA S MINA

High temperatures are the dominant loss mechanism in photovoltaic technology. The power output of a solar panel experiences a drastic fall as temperatures rise. This creates complications for regions with hot climates when expanding into solar technology as a source of renewable energy. Whilst there is a great amount of research on this issue, very few solutions are available to tackle the problem.

Solar Cool is a mechanically enhanced air flow system designed to tackle the efficiency drop. The system relies on passive airflow to cool the back surface of the panel using a fan combined with a perfectly sized inlet. The cooling system itself is 100% self-sufficient and uses no energy from the solar panel and instead generates its own power through heat using a series of Peltier modules. Solar cool effectively optimises efficiency and creates the opportunity for photovoltaic technology to be used in hot climates.

E nmina@hotmail.co.uk
T +44 7722603894





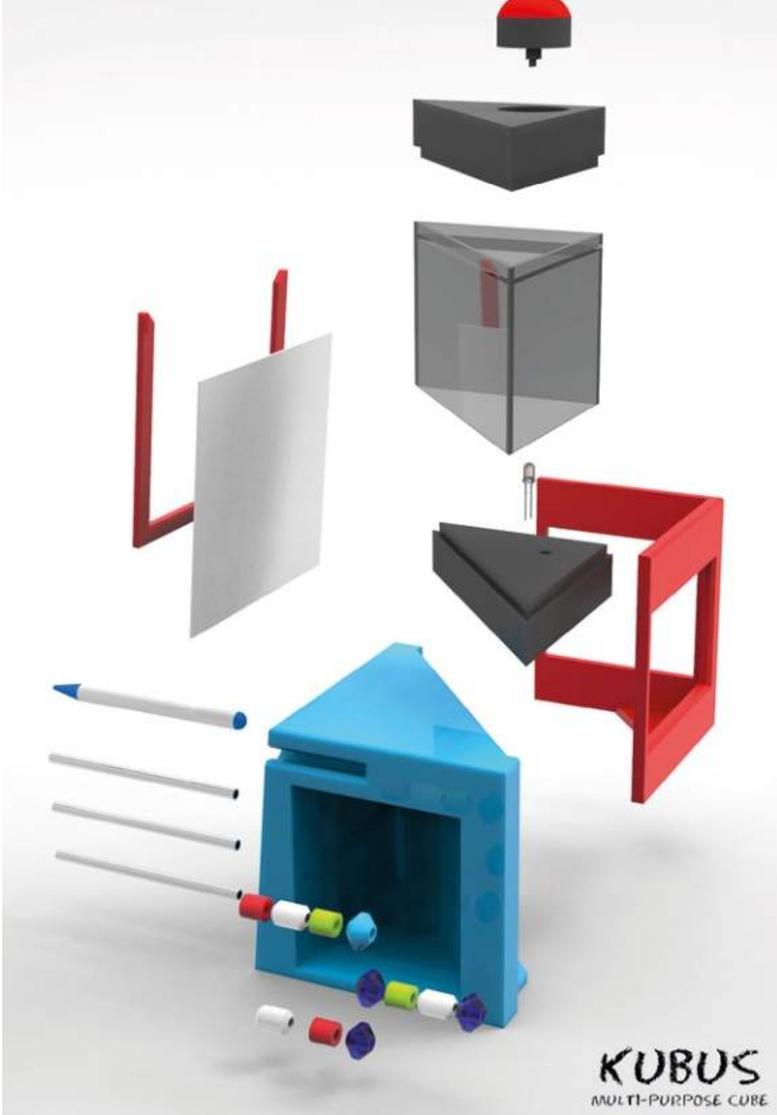
DILLAN MISTRY

Kubus is a multi-functional product designed to aid young children with ADHD. The product encourages the involvement of their parent(s) or guardian(s) when in use. Each side of the cube entails a different feature from helping them with educational activities to being used as a colour changing mood light.

STXCKS is a premium product. The modular design allows the extension of the shoe rack to be done in various directions. Including, the ability to hang items such as keys, umbrellas or even children coats. The unique design has the potential to be further developed into other products such as storage/shelving units.

E Dillan.mistry@hotmail.co.uk
W [linkedin.com/in/dillanmistrydln/](https://www.linkedin.com/in/dillanmistrydln/)
S [behance.net/Dillanmistry](https://www.behance.net/Dillanmistry)





EMMANUEL OGUN

With the **Fuji Lamp** project the aim was to follow a completely new design path for aluminium extrusion by coming up with a new way of combining lighting features into aluminium extruded parts. This being achieved whilst keeping to the product specification. It has been proven in various studies that the lighting levels people are immersed in can have a direct impact on a person's mood and behaviour. Due to aluminium being a very aesthetically pleasing material, combining it with lighting makes for a very desirable product marketed towards a middle to high-class range of lighting products.

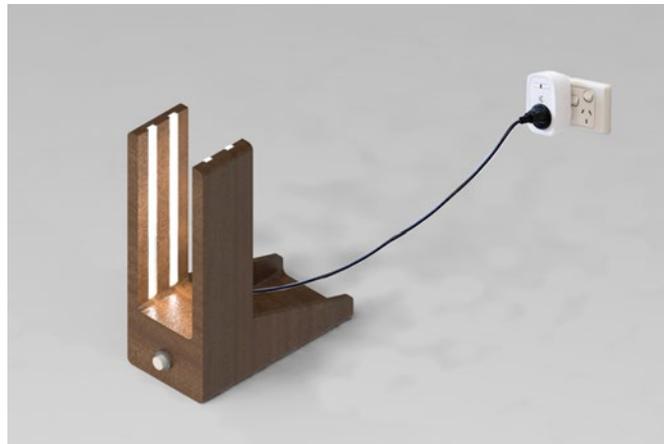
E emmanuelogun@me.com

W [linkedin.com/in/emmanuel-ogun-796916107](https://www.linkedin.com/in/emmanuel-ogun-796916107)





Fuji EEO

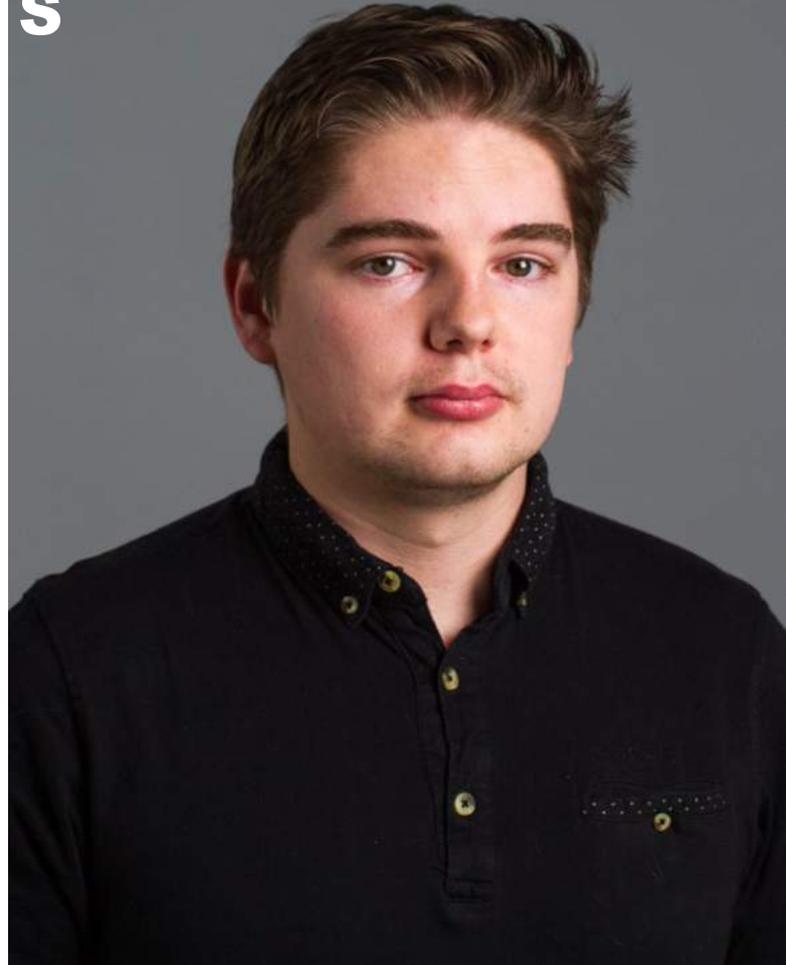


DEAN PARKES

This project was conducted to improve the safety of Deaf people surrounding fire alarms in public buildings. The safety of a Deaf person in regard to fire alarms has a general focus on being for use in the home and less so for public buildings. **AlertMe** is a universal fire alarm detection system for the deaf which has been integrated into a stylish watch. With a built-in omnidirectional microphone, the watch has been designed to detect a fire alarm and then send a visual and tactile alert to the user.

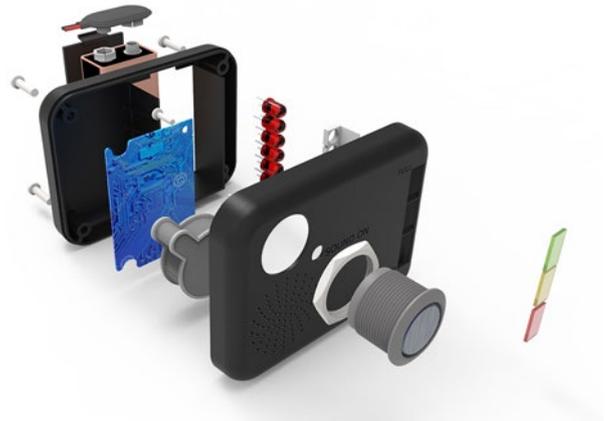
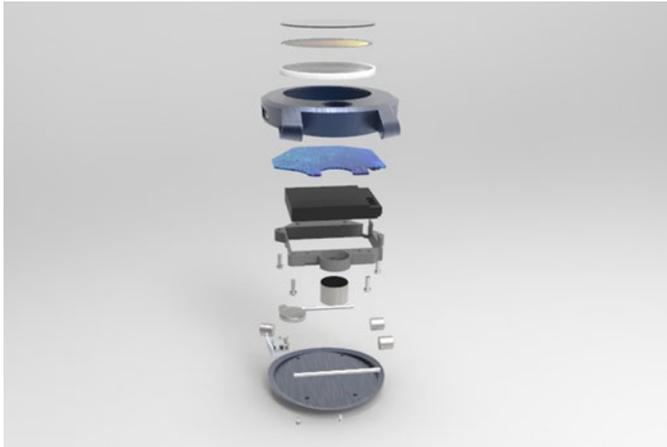
By maintaining a subtle and sleek design, the watch provides the user with an inconspicuous detection system which other existing products cannot. The system also contains a separate device which is used to test the watch is functioning correctly by simulating the sound of an alarm.

E dparkes00@gmail.com
T +44 7521 193924
W [linkedin.com/in/dean-parkes](https://www.linkedin.com/in/dean-parkes)





 ALERT ME

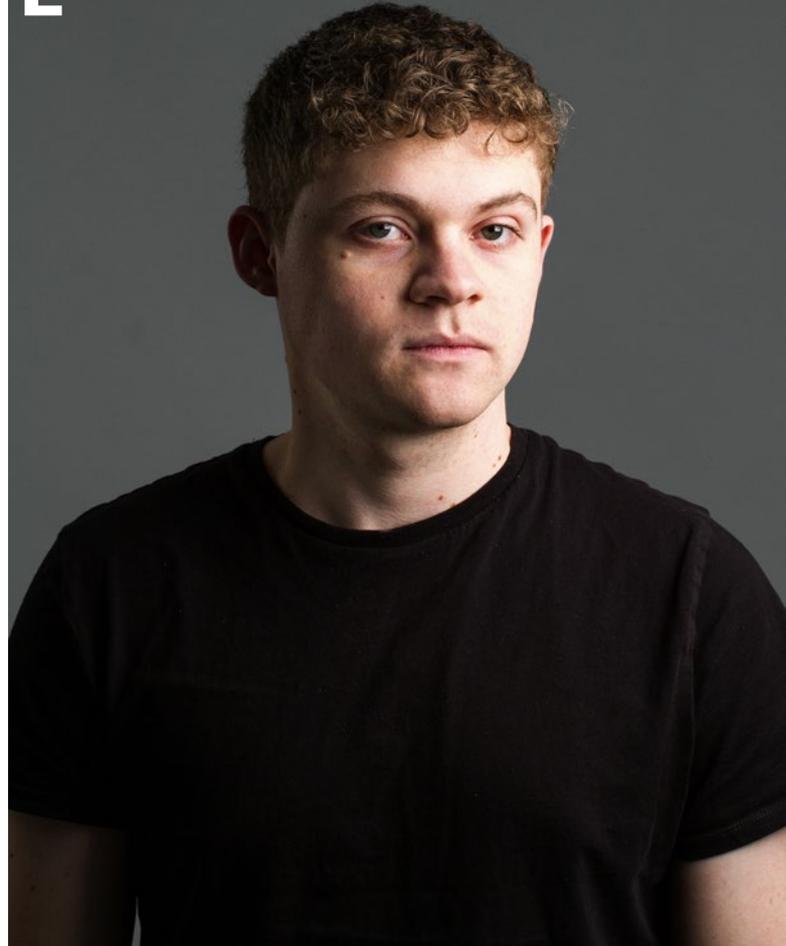


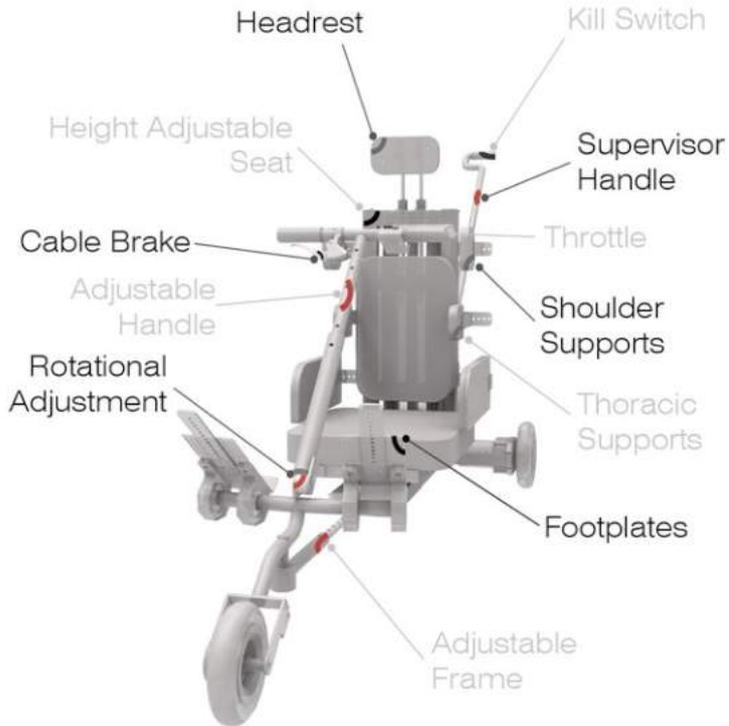
JAMES PAYNE

Dragonfly is an electronic, adrenaline activity for children aged between 7-16, who have cerebral palsy. This product is not only designed to excite, it is designed so that the child using the product has a sense of responsibility. The adjustable components allow the product to grow with the child, saving money for the consumer and being better for the environment.

A fully supported, adjustable seat means the child can be comfortable and safe, while enjoying themselves. Safety is increased with there being a detachable supervisor handle which can stop the motors when the supervisor wishes. The speed of the Dragonfly kart can be modified by a control on the back. The seat can be raised and lowered electronically, meaning a standing transfer is possible for the child, to ease access in and out of the kart.

E jamestompayne@gmail.com
T +44 7860 152625
W [linkedin.com/in/jamestompayne](https://www.linkedin.com/in/jamestompayne)





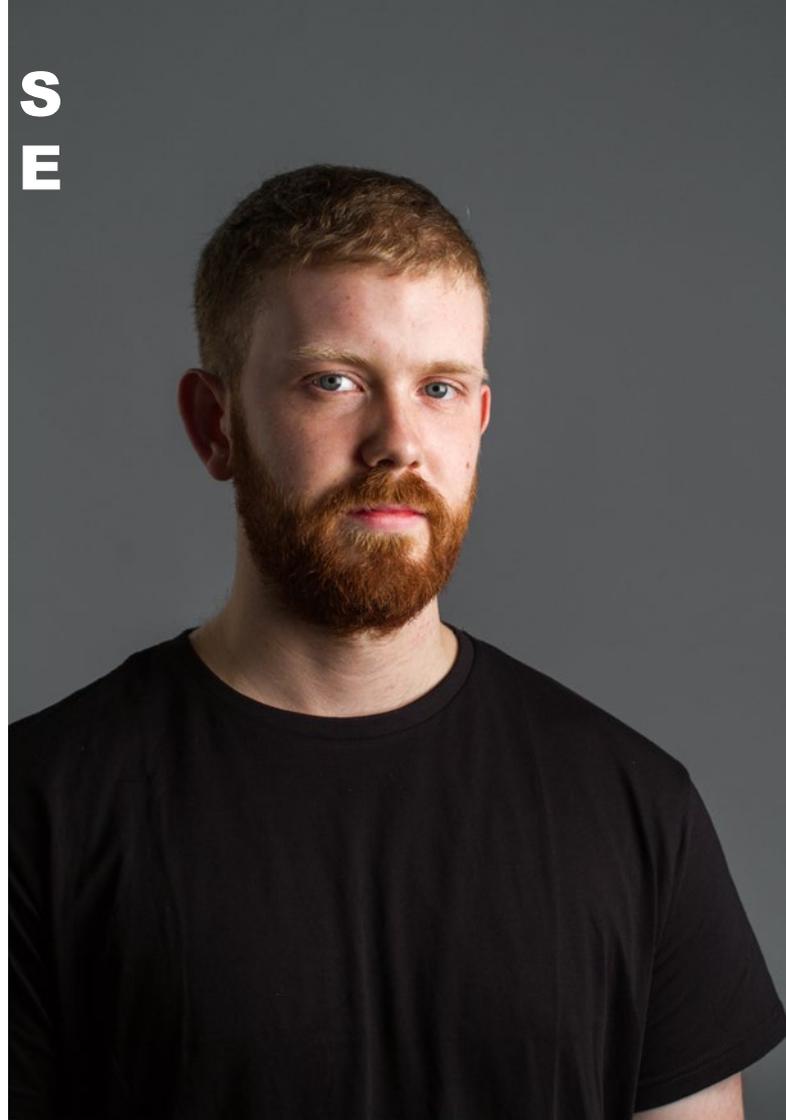
JAMES PEARCE

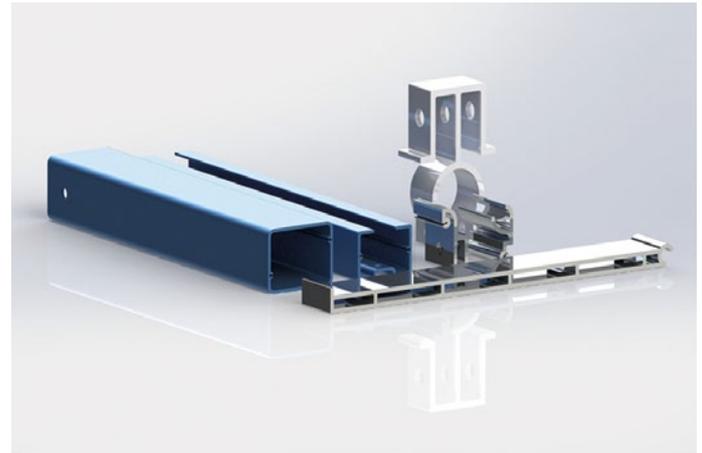
The **ACCU-DOSER** is a disposable medical device which works in conjunction with needle syringes. It allows for accurate doses of Botulinum Toxin Type A to be administered without the need to view the syringe barrel, while adopting a single-handed precision grip.

The product has been designed in a way that allows the body to be as slim as possible in order to provide the user with comfort and control. The index finger is used to administer the dosage. Overall, the design provides the user with greater accuracy when locating a site for the needle, it also reduces the likelihood of an incorrect dosage.

The **Wheelchair Rain Cover** was designed to utilise aluminium extrusion. The cover is fully adjustable and prevents any obstruction to the wheelchair attendant. The solution can be stored easily and set up with no need for tools.

E jfmp96@live.co.uk
T +44 7498290363
S [instagram.com/jamespearcedesign](https://www.instagram.com/jamespearcedesign)



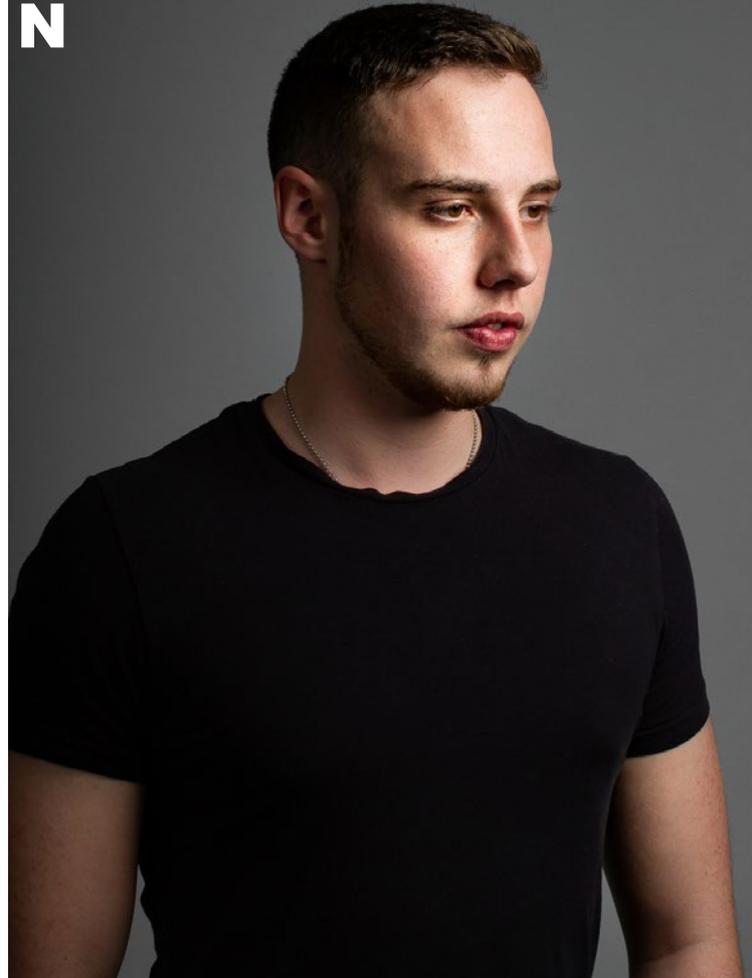


ANDREW PENSON

The modern world has an ever increasing demand for power and an increasing obsession in health and fitness. So why not solve one with the other? The **Peddle-Ohm** offers a simple easy to use turbo trainer, but while you burn calories it generates power. Unlike most turbo trainers the **Peddle-Ohm** does not use magnetic resistance to increase intensity but uses current. This means that not only does working harder make you fitter but it also makes more power. The **Peddle-Ohm** is aimed at the cycling and camping industry to provide training and a portable source of power.

The **Snap Ramp** is an aluminium extruded modular based disability ramp. The **Snap Ramp** has an intuitive snap fit mechanism allowing the ramp to be folded easily and locked into form when needed. Its rugged aluminium design means the **Snap Ramp** is both light and strong with a maximum load capacity of 250kg. This product is aimed at both home and retail markets where space is restricted. The **Snap Ramp** simply bolts into the top step providing a quick easy ramp with one snap.

E Andrew@AndyPensonDesign
T +44 7816124985
W [instagram.com/andypensondesign](https://www.instagram.com/andypensondesign)
S [linkedin.com/in/andrewpensondesign](https://www.linkedin.com/in/andrewpensondesign)





PEDDLE  SHIM



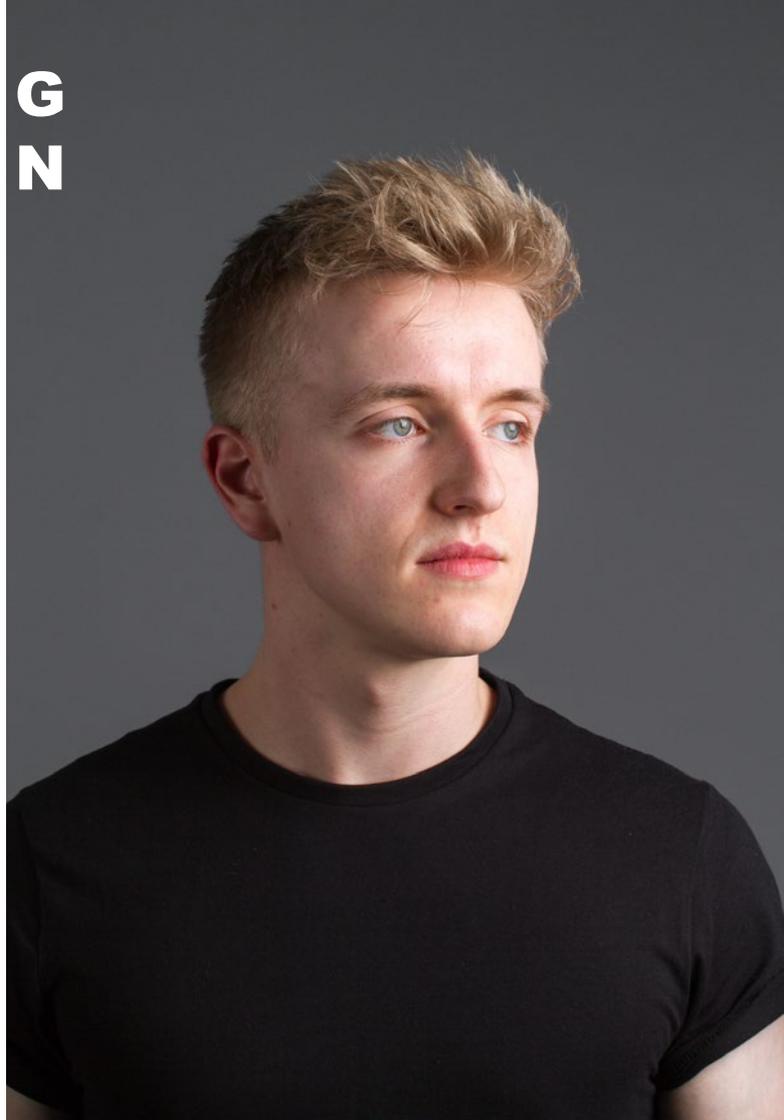
 SNAP RAMP

GREG ROLLESTON

The **GYZR flood awareness system** aims to improve driver behaviour in wet conditions by monitoring flooded roads and their conditions in real time. The system consists of two parts – a bollard and interactive sign. The bollard contains all the sensing technology and is concreted in at the side of a road in a flood prone area. The sign is placed on exiting infrastructure, 100 - 200m either side of the road in relation to the bollard. When the bollard is submerged, the light will alert drivers of the upcoming flood giving them the choice of confronting it or to turn around and take a different route.

The sign and bollard interact via radio telemetry, the floods flow rate and level get sent to companies such as the Environmental Agency or traffic control for analysis. They can then in-turn, divert traffic before it gets there. The sign has three levels of warnings showing the severity of the flood, informing drivers of what to expect and the dangers that come with it.

E Gregrolleston2345@hotmail.co.uk
T +44 7936861567
W gregrollestondesign.myportfolio.com
S [linkedin.com/in/greg-rolleston](https://www.linkedin.com/in/greg-rolleston)





MATTHEW RUSSELL-SMITH

The Stoppel watch home system combines functionality with style to create a product that users won't need to hide up their sleeves. With new fall detection technology, the system can automatically sense if a fall has occurred and call for needed assistance without any user interaction. Consisting of a home hub and watch, the pair provide reassurance to the user and their families in the event of a fall.

The Dynahump is an adapting road safety product designed to impact an oncoming vehicle's speed only when required. If the vehicle is exceeding the areas speed limit, the hump activates and raises up, forcing the car to slow down. If the vehicle approaches at the appropriate speed the hump remains flat to the surface of the road and the driver can pass unaffected. The product aims to give a better incentive for drivers to adhere to the speed limit by providing the opportunity to avoid damage to their cars and other problems caused by the existing unavoidable fixed humps.



E matthewjrs@aol.com
T +44 7796 522751

A handwritten signature in black ink that reads "MRussell-Smith".



Stopple Watch



Dynahump

OWEN SILCOX

Kineta Board is a hockey training product. It provides full individual training for players, something current products do not allow.

As well as a foam board and tensioned nets, the product includes a radar system to measure ball speed, a feature designed to improve player engagement by tracking improvement and adding a competitive aspect to training. The components can be stored within the box and handles and rollers assist with transportation.

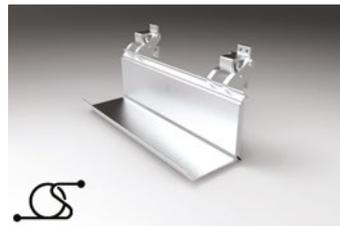
Through improving group and individual training, the product aims to make hockey more accessible and contribute to further growth in participation rates.

The **adjustable shelf** is an aluminium extruded storage solution for sheds. The product has a system that allows installation on surfaces of any angle, it has a “crocodile teeth” design that provides adjustability in height and the shelves can stack together. These features add a large degree of adjustability and help solve the storage difficulties that come with a small, awkwardly shaped area.

E owensilcox@hotmail.co.uk
T +44 781 7975 994
W owensilcox.com
S [linkedin.com/in/owensilcox](https://www.linkedin.com/in/owensilcox)

Owen Silcox





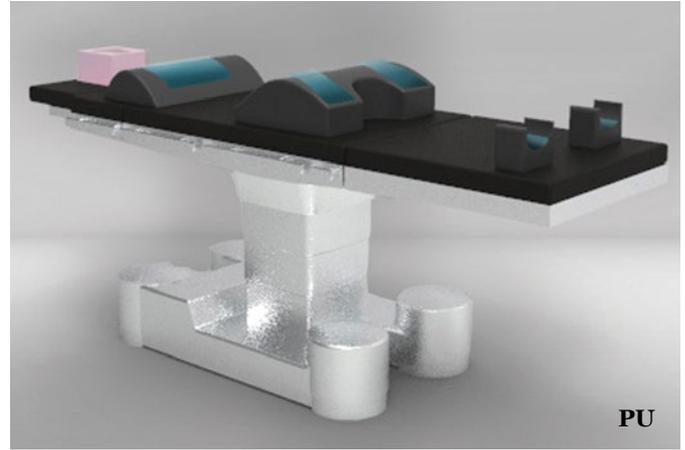
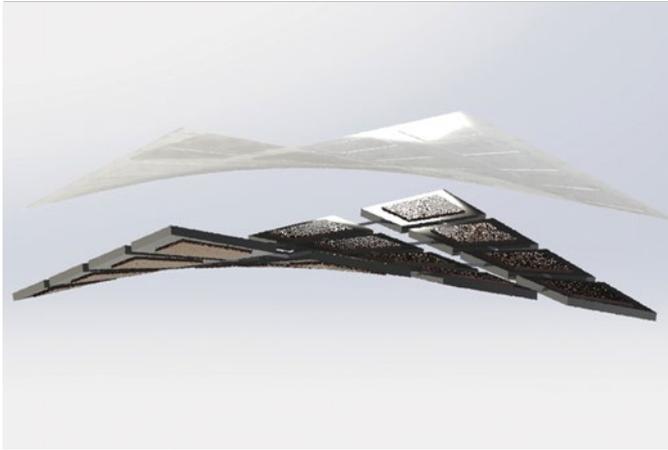
NICOLETTE SIZER

Patients undergoing surgery are prone to develop pressure ulcers (PUs), with the development of a PU in the hospital environment a longer hospital stay is inevitable, thus increases costs to both the patient and the hospital, currently costing the NHS up to £2.1 billion per annum to treat PUs. To combat this, a closed loop design system was conceptualised to provide nurses and hospital staff the ability to monitor the effects of PUs on the patient and with the live data feedback, reduce pressure sores by means of actuation in real time, the product can be retrofitted onto existing static pressure relieving devices.

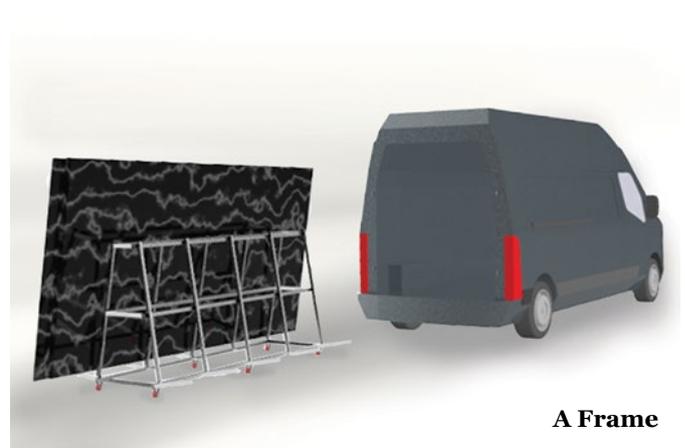
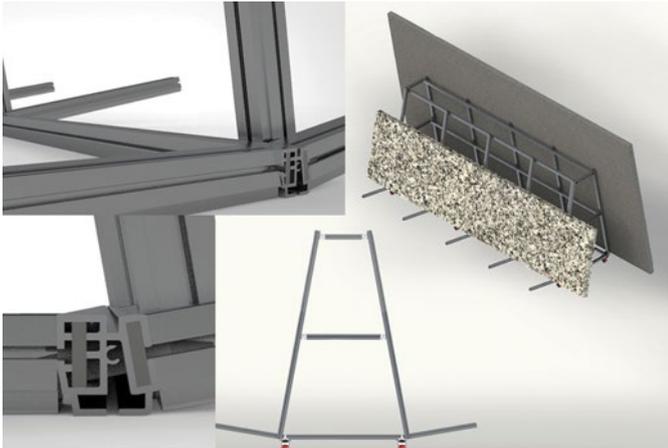
If not properly supported granite counter-tops will crack during transportation from factory to client. By creating an A frame that is adjustable, the bespoke counter-tops can be supported correctly, the adjustable frame can be interchangeable due to the extruded aluminium profile which includes an angled edge, centre-hole, per-pendicular edges and slots for bolts, supports and casters.

E nicolette.sizer@gmail.com
T +44 7871850439
S [instagram.com/sizabledesigns](https://www.instagram.com/sizabledesigns)





PU



A Frame

TOM STATTERS

The **Gait Mate** is a bespoke Ankle Foot Orthosis (AFO), featuring smart technology, which aims to improve the speed and quality of recovery for patients suffering from Drop Foot. The AFO has integrated pressure sensors in the sole that sends a heat map of the pressure exerted on the foot throughout the day to an application on the user's smart phone. This information can be used to adjust the individual's rehabilitation regime to suit their particular needs, with exercises being suggested by the application when an irregular movement is detected.

Having been asked by SAPA to design a product that utilises the aluminium extrusion process I chose to redesign an intravenous **Drip Stand**. Current designs were found to be unstable and prone to falling over, leading to the cannula being ripped out of the patients arm. This design has lowered the centre of gravity and made the stand more mobile.

E tom.statters@hotmail.co.uk
T +44 7585115542
W behance.net/tomStattersDesign
S [linkedin.com/in/tom-statters-368748b5/](https://www.linkedin.com/in/tom-statters-368748b5/)



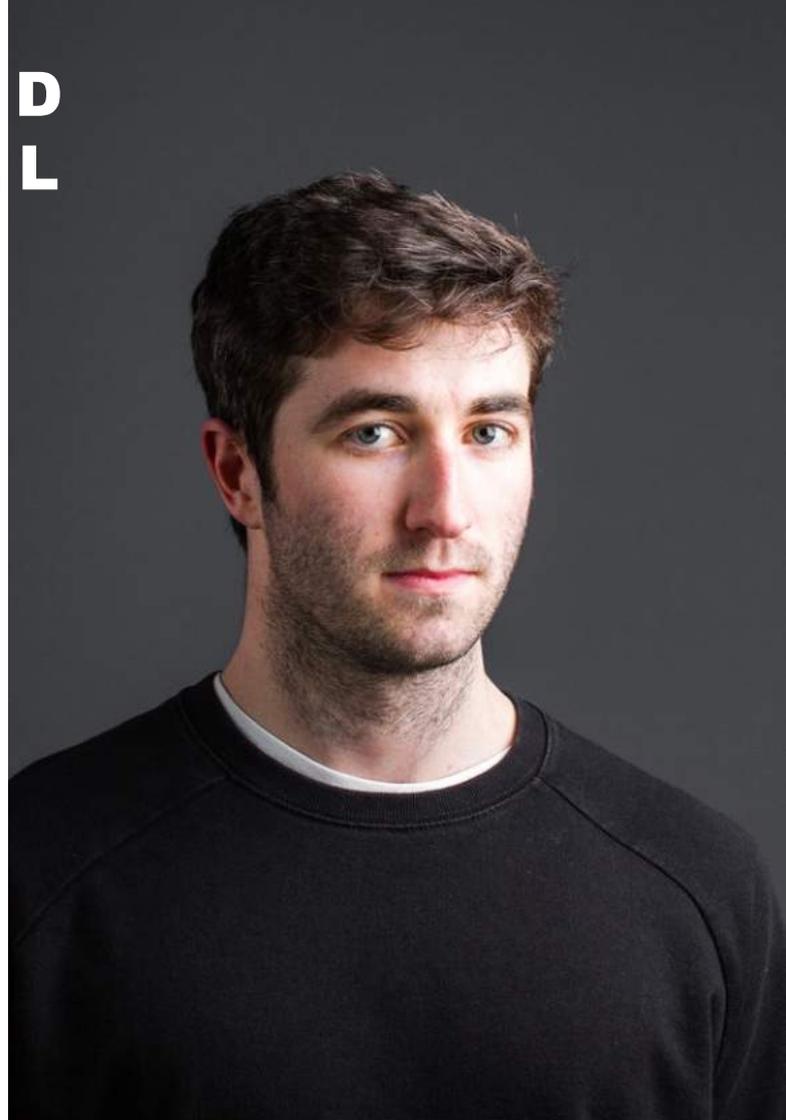


EDMUND WALL

Pond Guard is a removable pond cover designed to deter children aged 0-5 years old from engaging with bodies of water when unaccompanied, for example, playing in the garden of a grandparent. The inspiration for this project comes from the knowledge that children this age can drown in as little as two inches of water. Four out of five child drownings at a residential location take place not at the child's home. This presents an unmet user need. The product functions using a weighted base in the centre of the pond with rods that extend vertically. A net can then be draped over this and staked into the surrounding ground covering the pond and preventing access.

Mitre Clamp provides a method of clamping long mitre joints together in joinery and cabinet making applications. The right angled aluminium profile enables clamping pressure across the joint whilst a non-marking friction pad is used to keep it in place under the pressure of the clamp. The benefit of this over other methods is in the reduction of post glue-up work and set up time involved.

E edwalldesigns@gmail.com
T +44 7907 979574
W behance.net/EdmundWall
S linkedin.com/in/edmundwall





ASHLEY WARRINGTON

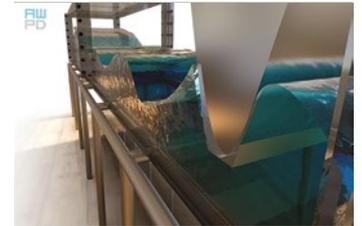
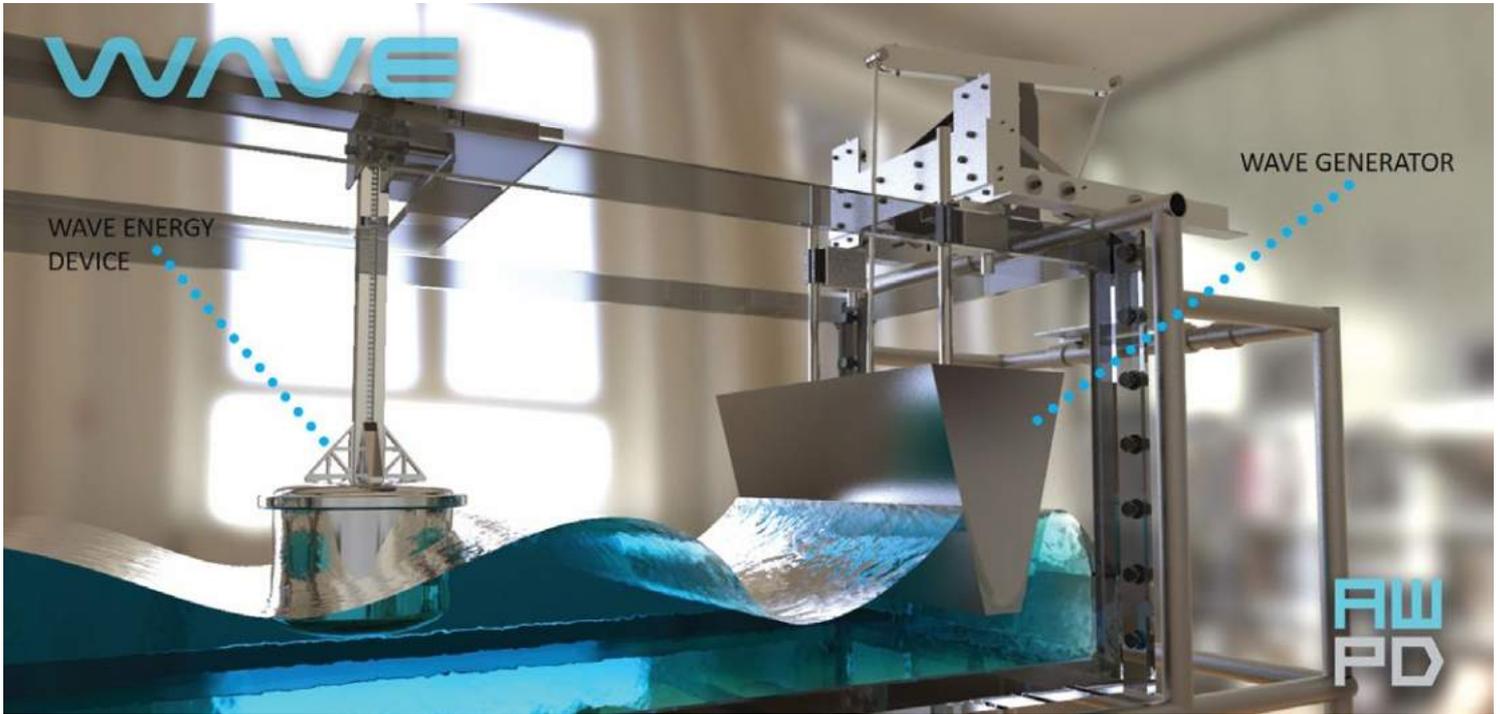
WAVE is a renewable energy testing tank facility engineered to provide realistic environments to aid research and development into wave energy within Nottingham Trent University.

Due to the increasing requirements for energy diversification and reduction in global carbon emissions, alternative energy sources outside of solar and wind are being explored to try and reduce dependencies of fossil fuels. Development of wave energy is primarily expensive in large-scale, although through the use of small-scale testing in a controlled simulation environment the use of WAVE makes it possible for rapid testing of prototypes enhancing the development of devices cost effectively before large-scale sea trials.

The wave generator is controlled through the operation of a stepper motor driven 1st class lever design, with variable offsets. This enables a flexible design to create a variety of conditions for testing devices.

E ashleywarringtondesign@gmail.com
T 07596250393
W ashleywarrington.com
S instagram.com/ashleywarringtondesign





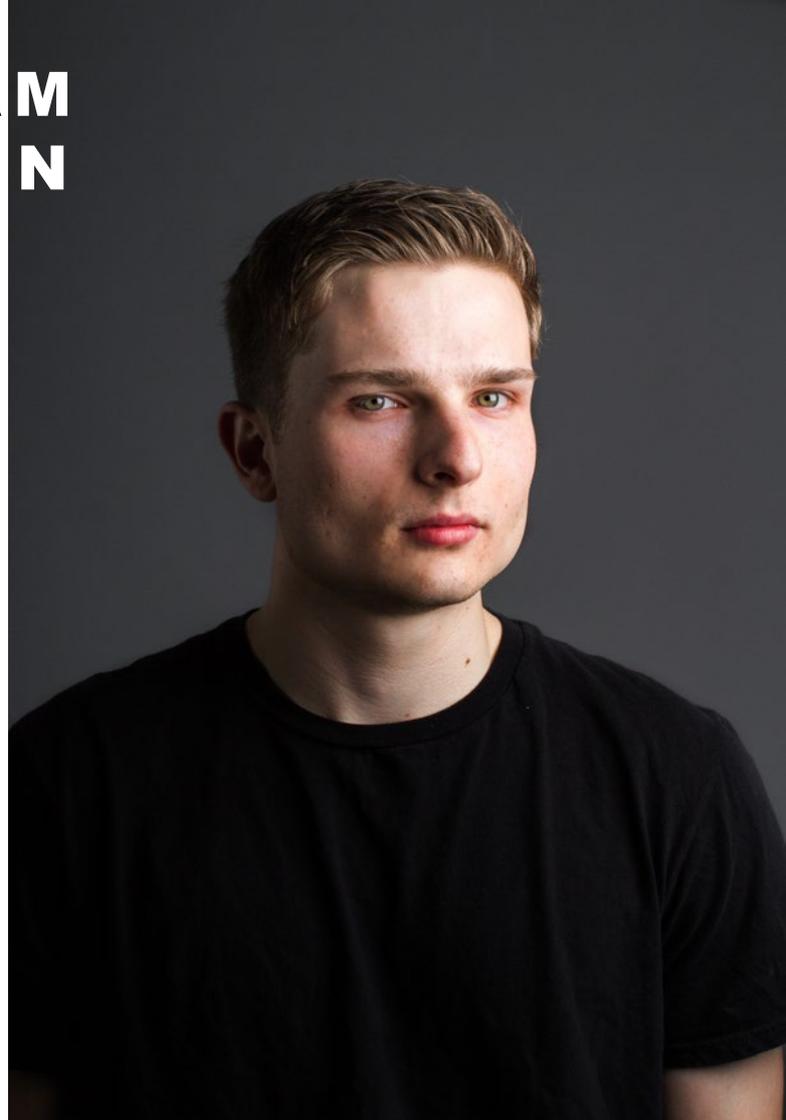
ADAM WIDDOWSON

The **MED BOT** project provides a mobile stand for the UR10 robotic arm (from Universal Robots) to be used within an operating theatre. The key design constraint was ensuring that the product is suitable for use in an operating theatre, which included considerations like materials and ease of cleaning. The product includes a locking system to prevent unwanted movement during use. Feedback from the surgeon Dr Michael Vloeberghs was used throughout the project to optimise the usability of the design.

Easy-Arm aims to help wheelchair users live more independently around the house. To do this it provides the user with an arm attached to the wheelchair which can carry large objects, such as waste bins or laundry baskets. An extruded Aluminium profile allows the clip to slot in at any position along the arm, depending on the object and wheelchair design as well as the user's preference.

E adam.ewiddow@gmail.com
T +44 79640 37877
S instagram.com/adamwiddow

Adam Widdowson





EASY-ARM 

HINGED ARM



BETHAN WOODHAM S

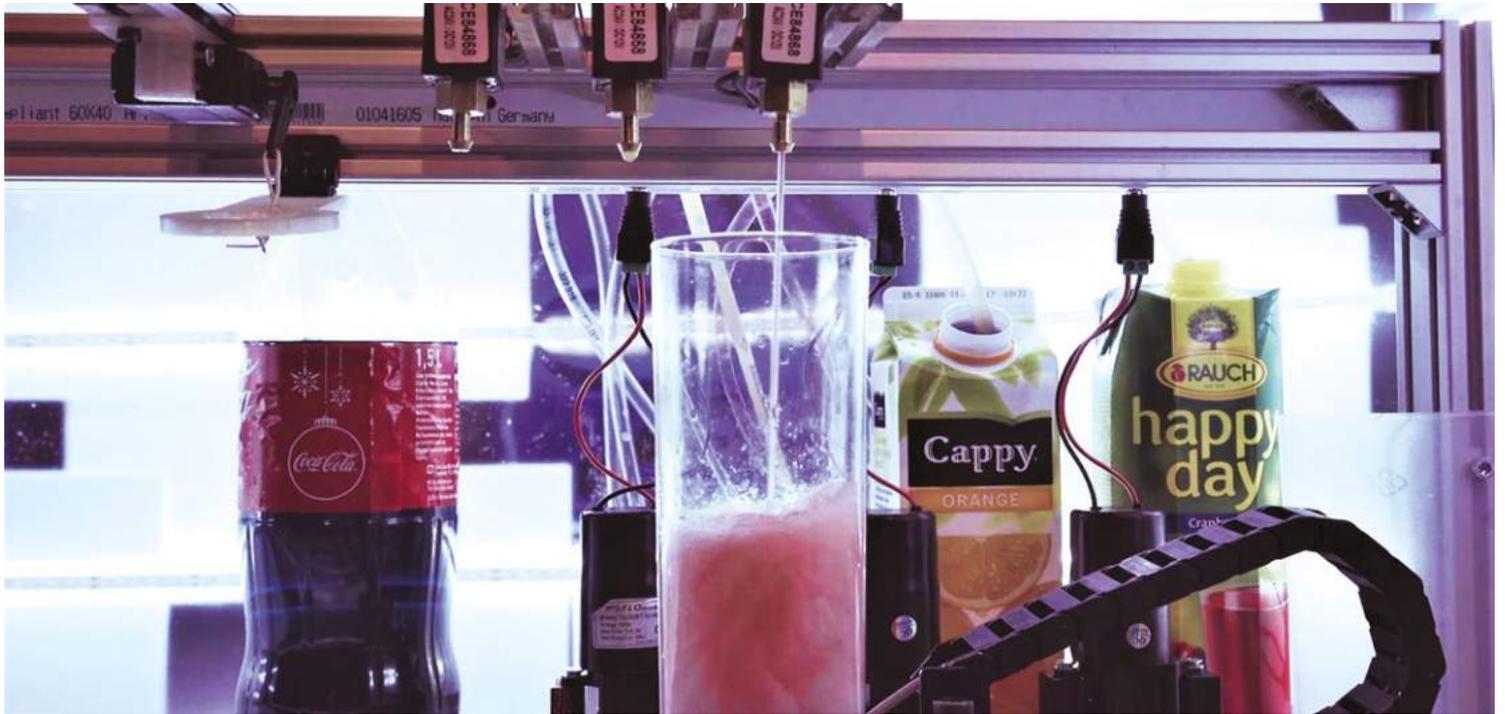
The **Cocktail Roboter** was a project undertaken at the *Fachhochschule Sankt Pölten* (University of Applied Sciences), Austria, as part of the *European Project Semester (EPS)*.

The project itself was provided to myself and an international team by the department of *Smart Engineering*. Our aim was to take a ready established cocktail robot, and develop its functionality and aesthetics. The ordering system was a key concern in the functionality of the product. In order to be more user friendly, we established early on that we wanted to develop an app which can be used on a phone, whilst limiting access to the public. Aesthetically, the Cocktail Roboter began as a simple metal frame with no décor, for the product to stand out it was integral that it attracted potential customers.

The product itself was successful and we had the opportunity to exhibit the project at the university Projekt Vernissage, and a film premiere in collaboration with a second EPS group.

E bethwoodhams@hotmail.com
T +44 (0)7757 622319
W bethwoodhams.wordpress.com
S [linkedin.com/in/bethwoodhams](https://www.linkedin.com/in/bethwoodhams)





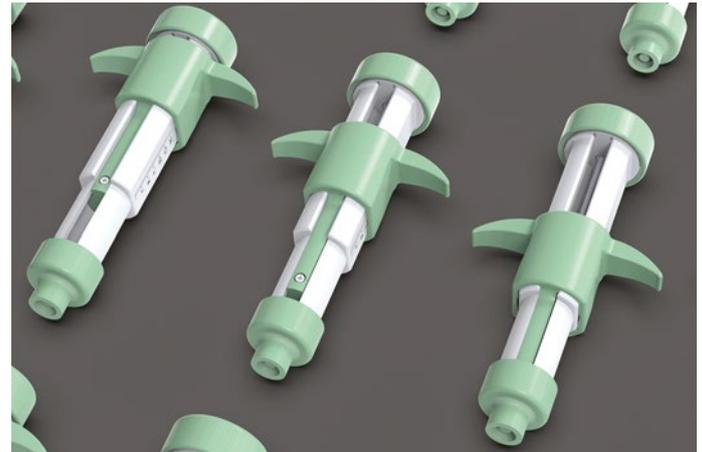
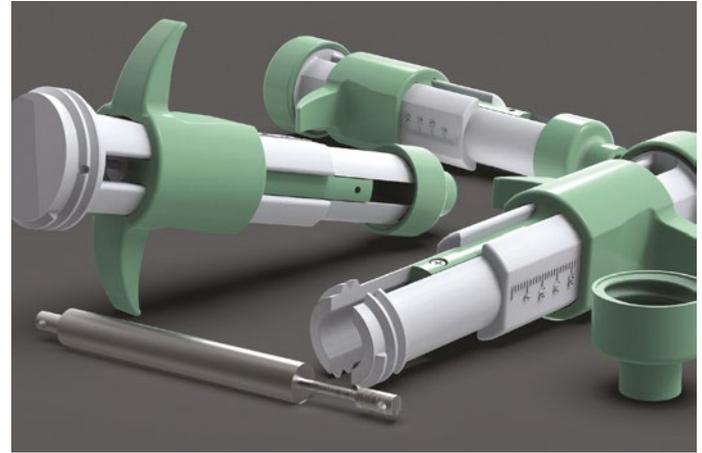
ALEX WYMAN

During emergency airway situations where a patient is unable to breathe without assistance, the need for a procedure known as a Cricothyroidotomy can arise. This involves creating an access port through the front of the neck to allow for insertion of a breathing tube that provides respiration to the lungs. Due to the speed and force needed to perform the operation, major lasting injuries to the throat are common.

Vida utilises miniaturised deceleration technology to reduce complications during the procedure whilst the recognisable and intuitive form grants the user of the device greater control than existing medical tools. An easy to disassemble design aids in the sterilisation and reuse of the Vida's key components after the patient is stabilised, reducing expenses and waste. Using professional insight, this refined solution to a noted medical issue was developed, helping first responders and doctors provide a higher standard of care.

E alex.wyman21@gmail.com
T +44 7737 05836
S [linkedin.com/in/alexwyman21](https://www.linkedin.com/in/alexwyman21)





The class of 2018 would like to take this opportunity to say a special thank you to Dr. Rebecca Gamble, for all of her hard work coordinating the 2018 NTUDI Expo. We would also like to extend our gratitude to all of the course leaders, tutors and administrative staff for their continued support, throughout our time at NTU.

Best Wishes,

Class of 2018 🙌

THANK YOU .

BROCHURE DESIGN

Rama Bown & Liam Martin

EXPO COORDINATION

Dr. Rebecca Gamble

HEADSHOT PHOTOGRAPHY

Julian Hughes

PRINTING

Hickling & Squires

2018 NTUDI Expo Teams

Course Managers

Course and Module Leaders

All Individual Tutors

Technical Team

BROCHURE

Rama Bown

Liam Martin

NTUDI LOGO DESIGN

Alistair Backshall

Sophie Gilpin

Matthew Hill

E X P O

EXHIBITION

Annabel Burton

James Bardwell

George Furniss

Daniel Harfield

Andy Penson

Kyle Pointer

Matt Russell-Smith

Simon Tagger

WEB AND SOCIAL

Jack Davies

Fred Hogg

Joe McCusker-Bland

Morven Ross

Sophie Taylor

Ashley Warrington

Lastly, we reserve a special mention for the workshop and technical staff for helping us bring our creations to life. We'll pass the baton on to the class of 2019, its now their turn to annoy you for another year.



centauro

neo

ad
sistem

#NTUDI

#NTUADBE

#NTUDEGREESHOW

#NTUPRODUCT

SHOW DATES

DEGREE SHOW 2018

Private Viewing | 1st June

Public Viewing | 2nd - 10th June

Nottingham Trent University

Newton Building

Burton Street

Nottingham NF1 4BU

+44 (0) 115 941 8418

NEW DESIGNERS 2018

Part 2 | 4th - 7th July

BA/BSC Product Design - Stand FP50

BA Furniture & Product - Stand FP48

Business Design Centre

Islington

London

N1 0QH

+44 (0)20 7288 6738

For more information regarding the shows visit:

ntudesignindustries.com



