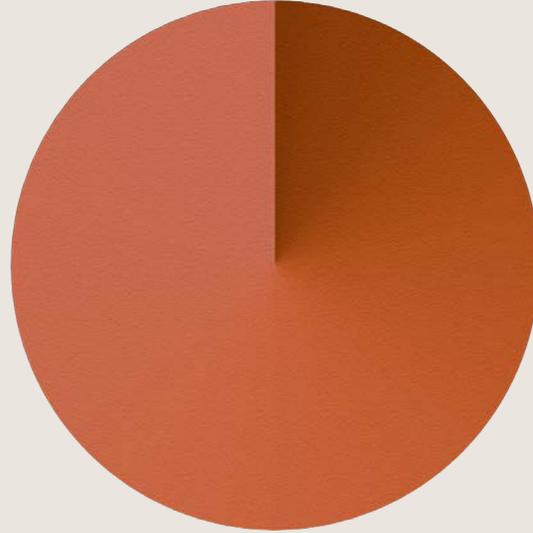


BSC PD



2020

BSC Product Design

Our BSc (Hons) Product Design course at Nottingham Trent University concentrates on the design of products for manufacturing, digital, industrial, electronics and medical applications, placing technology and scientific advancement at the core of the design process.

we are ntu
design
industries
2020



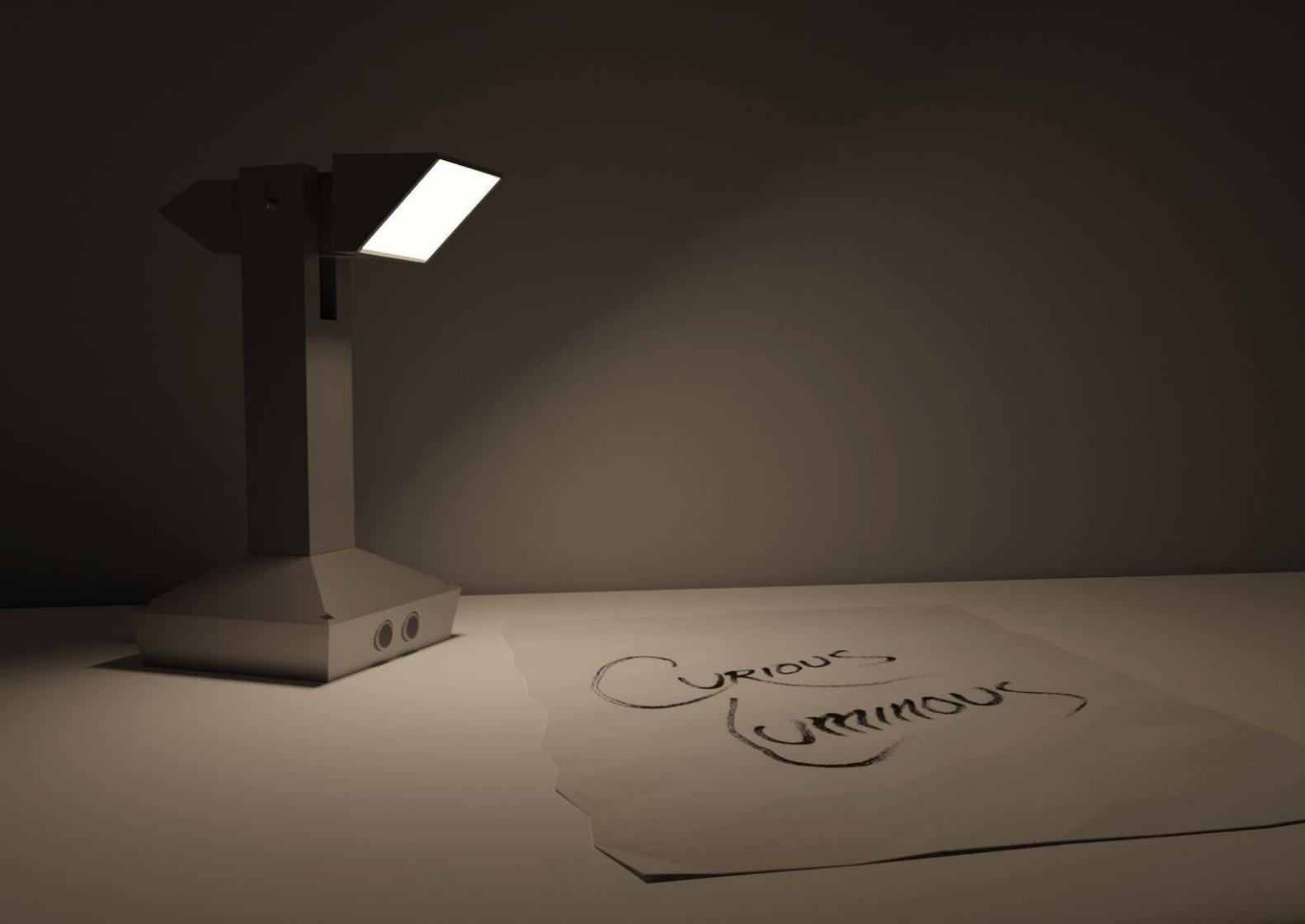
We are a layered community with overlapping principles and interests. Founded in the raw basics of design, we have developed our own characteristics while staying informed by design history. As a circular group of designers, we work in an organic and contemporary way.

Although diverse, we come together to form a well-rounded group of product designers. Our varying principles and styles are enhanced with our vast creativity and desire to innovate.

We are adaptive and strive to design in a creative, disciplined, independent and honest way, in the face of any challenge.

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www.ntudesignindustries.com



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Foreword

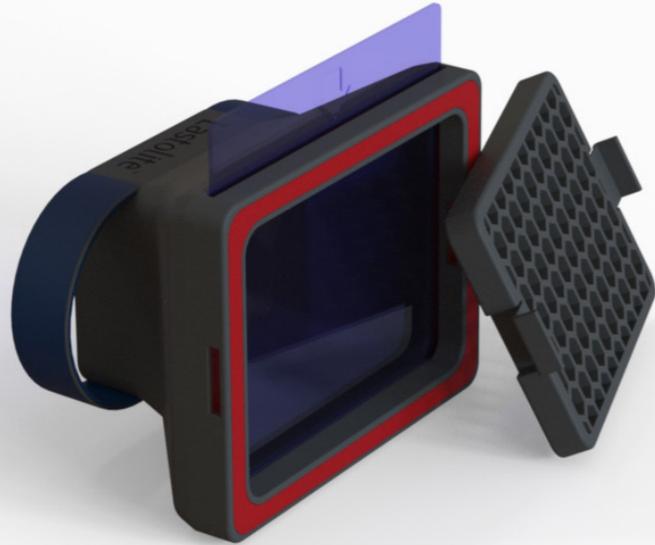
This year, I particularly want to pay tribute to and celebrate the creative spirit of our 2020 cohort. Their resilience, fortitude, determination and good humour has remained an absolute inspiration to me during these unsettling times.

Thank you so much, for all that you have taught me. I wish you all the very best for the future. Keep safe, keep well and keep smiling.



James Dale
Head of Product Design
-
School of Architecture, Design and the
Built Environment

Nottingham Trent University



Dr. Phillipa Marsh

Course Leader, BSc (Hons) Product Design

So this year has undoubtedly been one of unexpectedness. Charles Darwin proposes; “It is not the strongest of the species that survive, nor the most intelligent, but the one most responsive to change.”

I hold a clear admiration and respect for the maturity and confidence that the class of 2020 BSc (Hons) Product Design have shown this year. But unlike Darwin’s proposition, I suggest that strength, intelligence and responsiveness are all key characteristics seen within this year’s cohort. Not only have they managed and succeeded during the national and international circumstances. They have shown boldness, diligence and professionalism throughout this year; reflective to what we have seen in their earlier years of studies.

Their work is a reflection of this, and it is my pleasure to introduce this to you in this year’s brochure and end of year exhibition. This year’s graduates have whole-heartily embraced the technical emphasis of the BSc course and reflect well the true essence of Product Design thinking. As always, you will see a huge range of design work, led by the students and supported by the team.

These graduates will all be assets to the design industry and I wish them every success in their future careers; wherever they choose to go. But I also ask them to stop in the future and occasionally reflect on their education and where it has led them. Education and learning offers some of the greatest skills as well as knowledge to truly direct the future. As Malala Yousafzai said, “One child, one teacher, one book, and one pen can change the world.”

To this year’s graduates, I therefore wish you all the greatest rewards in the future. I am sure you will go far and do great things. I look forward to see the fruits of your labour.

Portfolio of Work

BSC Product Design

Matthew Astle

Callum Bannister

William Blower

Rebecca Brown

Callum Cawkwell

George Davis

David Dolding

Thomas Farnilo

Ashley Griffin

Elliot Heffernan

Lyam Hovelmeier

Tobias Jarrett

Joseph Martin

Joseph McCracken

Alex Page

Benjamin Pavey

Thomas Riley

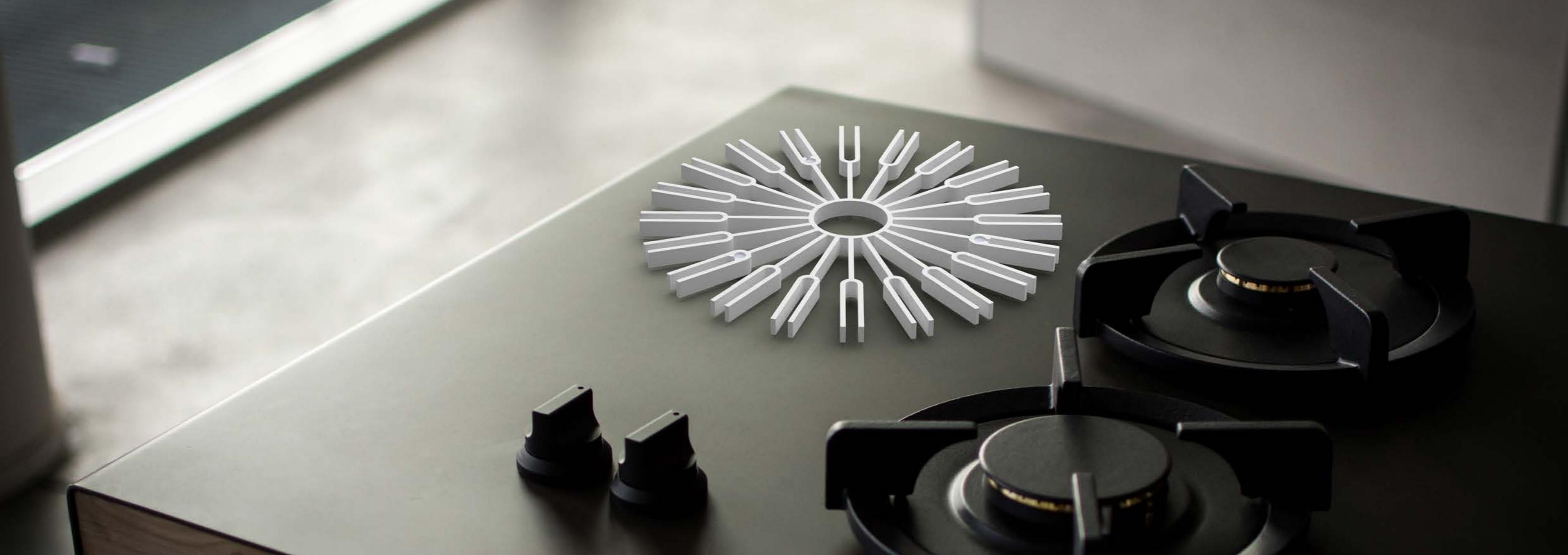
Jacob Staniforth

Nico Andika Sunandar

Joseph Tatlow

Samuel Wilkins

student names



Matthew Astle

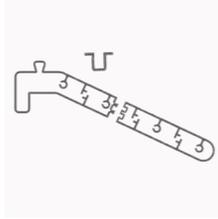


I am a driven designer, passionate about using my innovative skills to create feasible products that are both pleasant to interact with but also solve a real issue.

mfastle@yahoo.co.uk

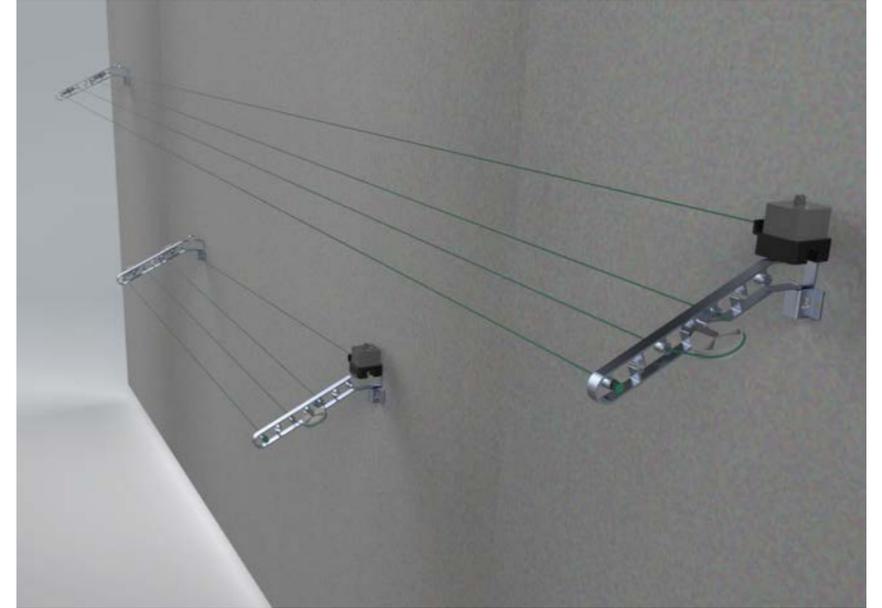
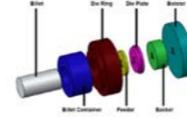
[linkedin.com/in/matthew-astle-0b251a16a/](https://www.linkedin.com/in/matthew-astle-0b251a16a/)

Extendable Clothes Drying Rack



The extendable clothes drying rack makes use of a continuous length of washing line filament that runs between two aluminium profiles using rollers. As a result, the product is very versatile as the rack can be set to the width that best suits the user. When not in use, the profiles can be removed from the wall mounted brackets and clipped together for storage.

Extendable Clothes Drying Rack



The product consists of a spring-loaded spool containing a length of washing line filament, this filament runs through the two profiles using rollers that are slotted into the aluminium profiles. The product is user friendly to use and components are easily replaced if they become damaged.

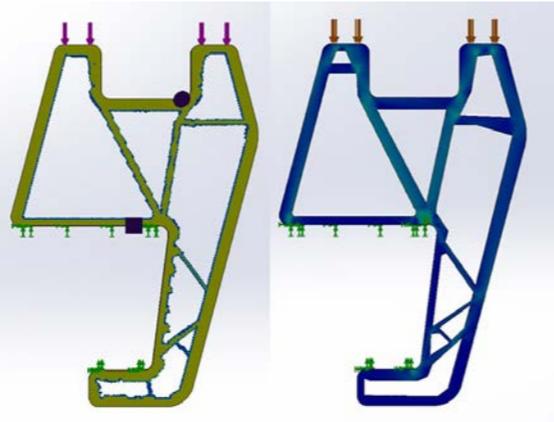
Callum Bannister



Design is a way to directly affect people's interaction with the world. I enjoy and excel in designing products with meaningful real-world applications, that help the user in their everyday life which solves a problem where competing products struggle.

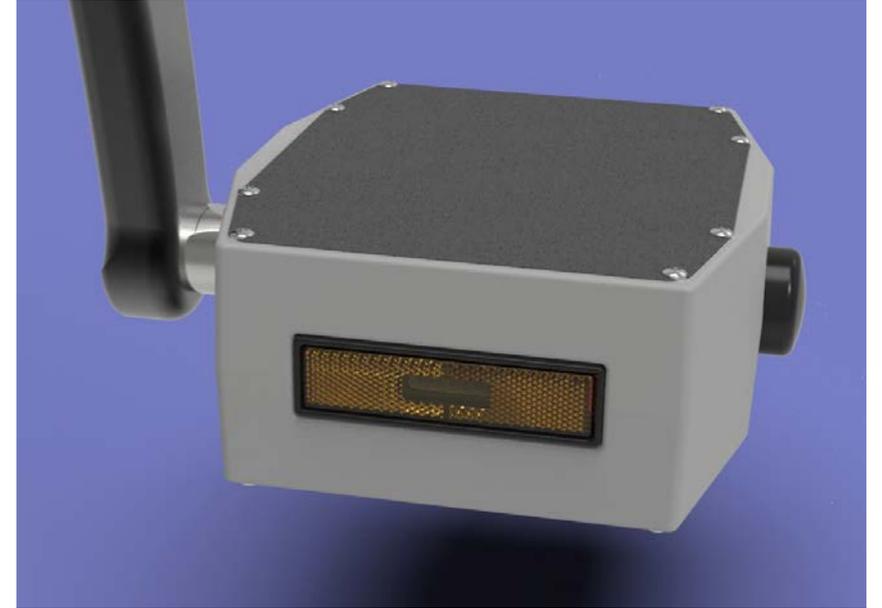
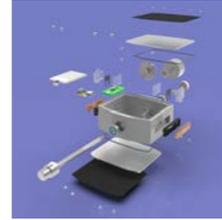
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ULLER - Ski Vice



It is common to find that products on the market are over engineered. The case of the ski vice is no different. A ski vice is used by competitive skiers to hold their skis when servicing them. An excess amount of material is used to ensure the vice will be strong enough, making them far heavier than need be and wasting material. Using simulation, the vice was re-designed with material only being used where critical to the overall strength of the product. This gives the product a unique look that is ideal for extrusion.

Bright Feits - Indicating Bike Pedal



Bright Feits are an innovative cycling pedal set for daily commuters. The product aims to make current cyclists feel safer when commuting. One of the biggest issues with people cycling on roads is drivers not seeing their signals when they are turning. Bright Feits tackles this problem by having built in indicators inside the pedals which allows the rider to signal by simply pressing a button on their handlebars. As well as having indicators built in, there is a generator which creates power for the system by simply pedalling normally.

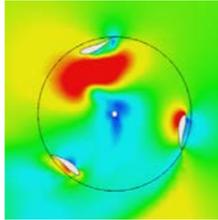
William Blower



A quick learner, keen to further my skills in design and engineering disciplines. My latest work focuses on the simulation of fluids, particularly air, using computational fluid dynamics to produce wind energy designs across a multitude of university and personal projects.

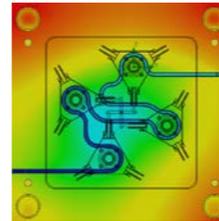
will.blower97@gmail.com
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Extruded Aluminium Turbine



A collapsible, portable, vertical axis wind turbine for charging mobile devices for camping and outdoor activities. Mobile technology is fundamental to modern life; using clean energy for these devices during activities is becoming increasingly popular. The aerofoil blades are manufactured from extruded aluminium, a process and material which ensures good dimensional accuracy and resistance to adverse weather conditions. The blades fold into the central column with a parallel mechanism; the legs fold up vertically holding the blades in position. Computational fluid dynamics ascertained the optimal mounting angle and type of blade.

Injection Mould Tool Design



Design for manufacture is essential for product development. An injection mould tool was designed for an electronics housing component for the extruded aluminium wind turbine. Key considerations include component layout, runner design, ejection system, surface finishes, etc. The HASCO TempFlex cooling system, simulated with computational fluid dynamics, identified how the cooling fluid would freeze the injected plastic. Molten plastic injection simulated using SOLIDWORKS Plastics identified manufacturing defects i.e. air traps. Machining the core and cavity plates was simulated using SOLIDWORKS CAM allowing for a better understanding of manufacturing lead times.

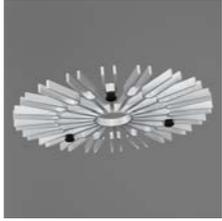
Rebecca Brown



I am a versatile designer, with a passion to help make a difference to others through design. The challenge of working out rational solutions to the challenges I have faced in design stimulates me.

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linkedin.com/in/rebecca-brown97/

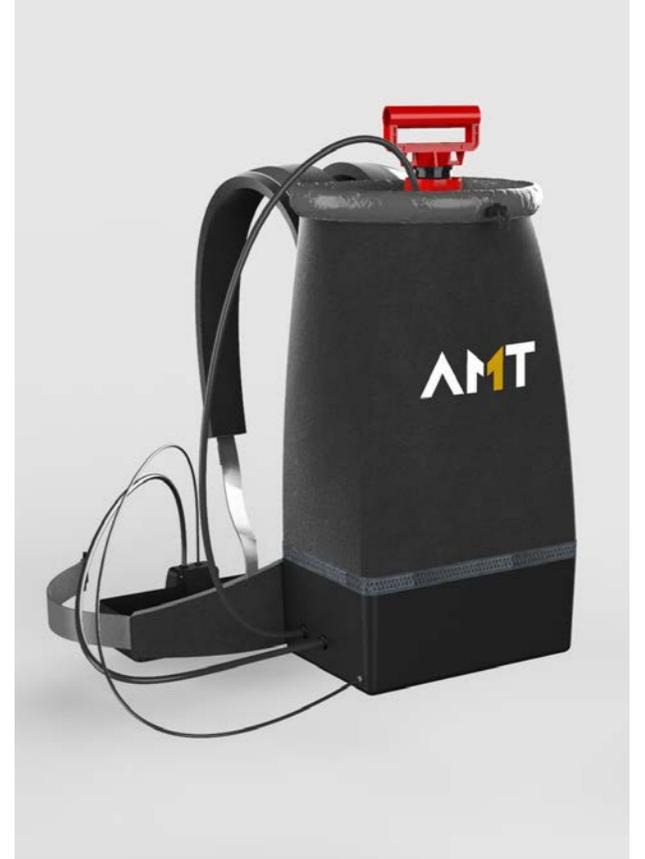
Hydro- Aluminium Extrusion



The Aluminium heat proof mat is designed to protect surfaces from hot objects. It utilises heat sink properties to allow the heat from the object to be dispersed easily. The aesthetic design includes removable rubber feet to ensure the product is easy to clean and dismantle for recycling. Aluminium's properties make it a popular choice for heat sinks. Heat sinks disperse heat from one object to another therefore, aluminium's thermal properties are ideal especially when weight and price is considered.



AMT- Automatic Mist Technology



'AMT', Automatic Mist Technology aims to help reduce the impact of dust on construction sites. Construction dust is accountable for a significant number of non-asbestos lung diseases. 'AMT' targets high-energy tools like concrete breakers by using their vibrations to trigger a mist to suppress the dust. To supply the water, an existing hand pressurised pump is stored in an ergonomic backpack. This is connected to an on-tool attachment, which targets the dust and mists water when the tool is in motion.

Calum Cawkwell



I am a designer who is driven by the desire to learn new skills and disciplines, looking to improve on my current abilities. I aim to use my work to create products which are intuitive for the desired user.

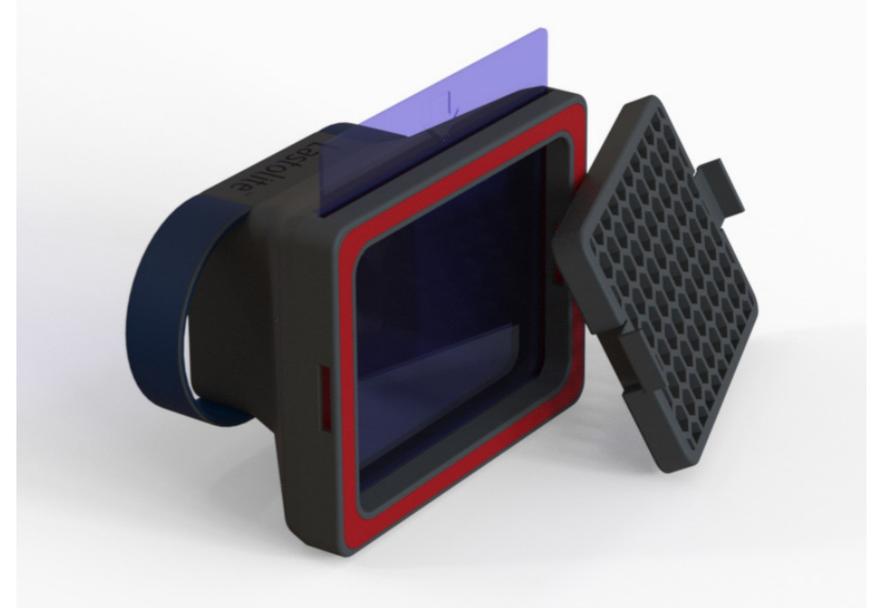
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linkedin.com/in/calum-cawkwell-a11163152/

COMP-PACT



The COMP-PACT is a Mini-ITX specialist PC case aimed at the specialist high end market for gaming or work. The brief, set by Norsk Hydro, is to design a product which uses the aluminium extrusion manufacturing method, whilst maintaining a contemporary design. This process of 'think in profile' led to a unique and one-off design which separates this product from its counterparts on the market.

Creator



The Creator, designed in conjunction with Vitec Imaging Solutions, is a straight to flashgun gel carrier with a honeycomb grid attachment. The aim of this product was to improve on current market ideas and create an intuitive product which would be easy to use, fast and simple. Therefore, it is aimed at amateur and professional photographers alike. The product features a multitude of unique selling points, including an all-in-one 'grip' and gel carrier as well as live hinge clips used on the honeycomb grid.

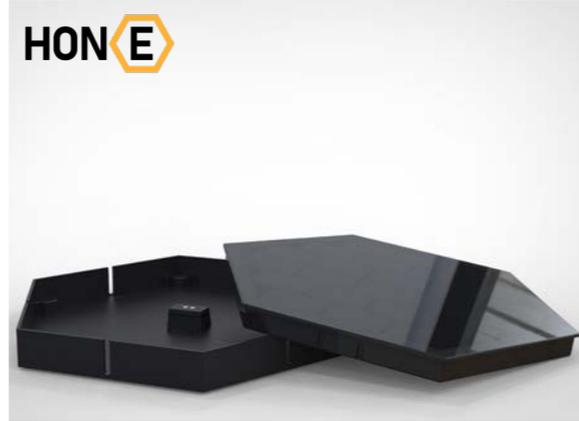
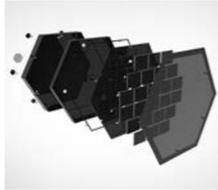
George Davis



My name is George Davis. I am an Industrial Designer who has a strong interest in technology, minimalism and modular design. I come from an engineering background and find a good balance between industrial function and artistic form fascinating.

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HON-E - Tessellating Solar Array



The HON-E tiles are a new take on solar energy. They aim to change solar panels from a utilitarian appliance, to a must-have gadget. The product consists of tessellating solar tiles that can be purchased in any quantity and can easily be added to further down-the-line. A rear plate is fixed to the desired wall and a front panel is inserted to make an electrical connection. The tiles can also be hired temporarily for events such as music festivals, fairs, weddings, etc. due to their easy fitment and disassembly.

ACCENT - Extruded Speaker



The ACCENT speaker is a customisable active speaker that features a vast quantity of optional parts. From inbuilt planters, to lamp attachments, to wireless chargers, the list is endless. This product aims to extend the life of audio equipment by using an ongoing update scheme. This means the customer can apply for different hardware whenever they desire. When the time comes, this product is disposed of as it is completely recyclable. Being constructed from a single extruded aluminium piece, to which other components are attached, it means disassembly is easy.

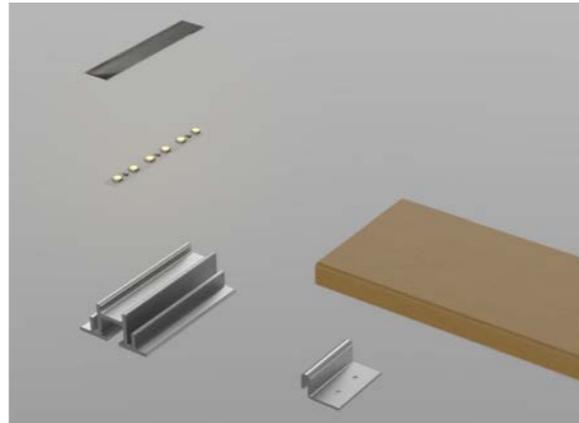
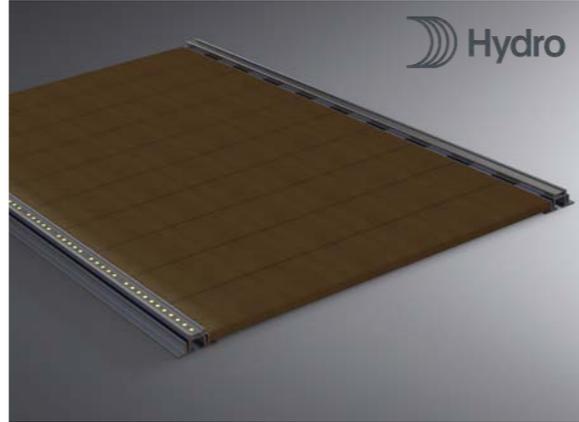
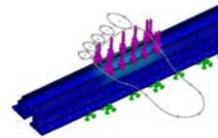
David Dolding



I am a passionate design engineer striving to solve problems through the use of creativity and innovative design. I have a keen interest in medical and sustainable design, aiming to produce market ready solutions.

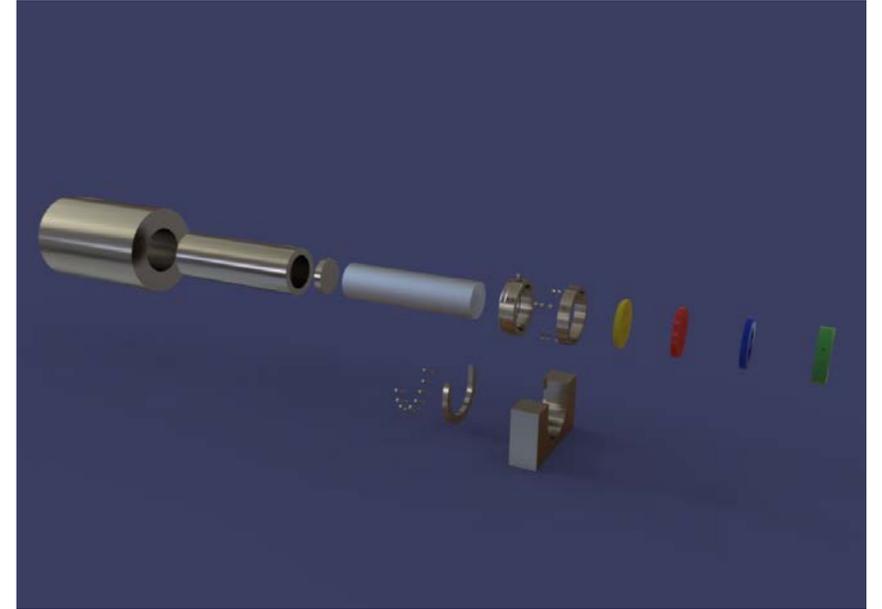
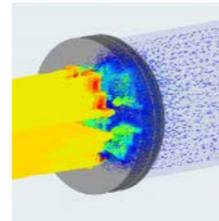
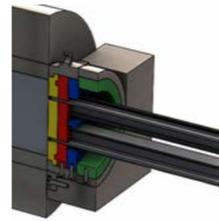
david.dolding@hotmail.com
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Temporary Walkway



With high-end events such as weddings often being held outdoors all year, the market lacks an aesthetically designed temporary flooring or walkway. This product provides an easy to install, sleek alternative to the current market offerings. Featuring a two-part aluminium extrusion design with interlocking slide rails, the system is versatile and can be scaled up to meet the needs of the venue. Two additional features have been integrated into the design; cables can safely run in the channels within the frame and LED lighting strips ensure safe operation at night.

Aluminum Extrusion Tooling Design



Following the principles of design for manufacture, the previous project was optimised for manufacturing via aluminium extrusion, with tooling created to produce the main profile. The design was optimised, removing unnecessary features to create a simplified profile requiring less complex tooling, resulting in much lower manufacturing costs. The tooling was simulated using computational fluid dynamics to optimise the extrusion parameters. The final tooling was then simulated using SOLIDWORKS CAM to get an accurate understanding of manufacturing lead times.

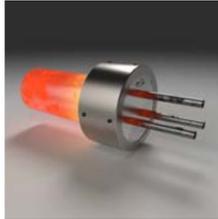
Thomas Farmilo



I am a multi-disciplinary designer who strives to create practical and innovative designs. With a keen interest in medical and sustainable engineering, I believe a product must provide an intelligent solution that performs in the real-world.

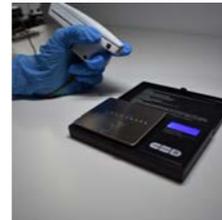
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instagram.com/familodesign/
linkedin.com/in/tom-farmilo/

Rehaler



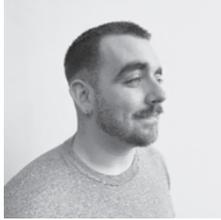
Existing pMDI inhalers are manufactured out of both plastic and metals, inhibiting their abilities at being recycled. Through product redesign an entirely realistic recyclable solution was reached which demonstrates added value when compared to existing designs by ensuring a closed loop recycling system. The end of life for the product has been ensured by designing a product which is almost entirely manufactured out of aluminium thus maximising its scrap value, thereby recycling facilities have higher incentive to properly sort the inhaler.

Accu-Dose



Accu-Dose is a syringe cradle that extends the performance of disposable syringes by utilizing an electromechanical injection system embedded within an ergonomic housing. Repeatable injections of 0.01ml can be administered with quantified measures easily adjusted to the desired dosages. By taking the dosage injection pressure away from the surgeon, Accu-Dose reduces the chance of errors by over injection, enabling the user to focus on the injection area, leading to more successful results. Demonstrated through a fully functioning advanced prototype, Accu-Dose proved increased injection control compared to the existing manual injection technique.

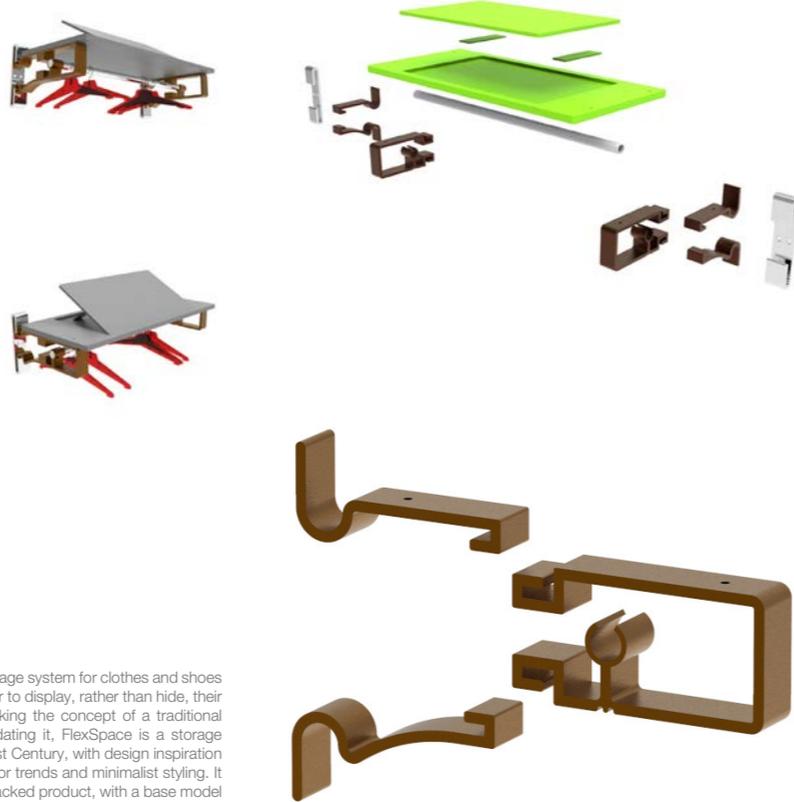
Ash Griffin



I am a multifaceted, versatile designer and problem solver focused on producing creative and practical solutions. With interests in sustainability, smart solutions and furniture, I believe products should not only solve a problem, but be adaptable, otherwise this will limit their function.

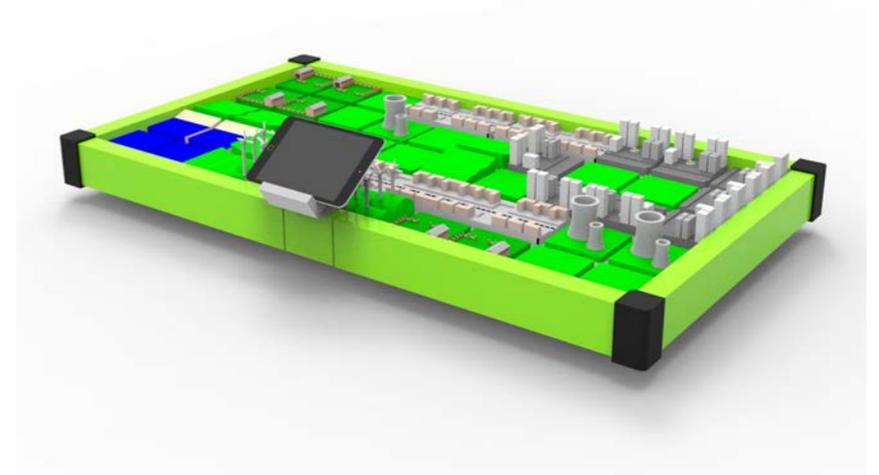
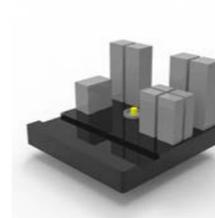
ashjgriffin@outlook.com
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FlexSpace



FlexSpace is a storage system for clothes and shoes that allows the user to display, rather than hide, their individual style. Taking the concept of a traditional wardrobe and updating it, FlexSpace is a storage solution for the 21st Century, with design inspiration from modern interior trends and minimalist styling. It is a modular flat-packed product, with a base model that allows for extensions and additions to be added as the user adds to or changes their collection.

Team Green



Team Green is a hybrid educational game designed to teach key stage 2 students about sustainable behaviour and development. It utilises elements from both traditional board games and modern-day apps to deliver an engaging, enjoyable education experience. The app and gameboard are designed to work in harmony, with the app being the control centre and progress tracker, and the board being the interaction point for the players. The combination of the two is vital to ensure the product is both visually and practically stimulating, which will better engage pupils.

Elliot Heffernan



I am focused on creating innovative designs that solve real world problems that can really make a difference. I enjoy exploring novel ideas to keep my designs fresh and interesting.

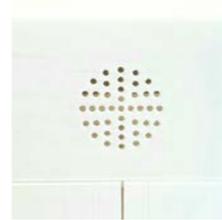
elliott.heff98@gmail.com
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Modular Guitar Stand



The Modular Guitar Stand allows you to combine individual guitar stands in order to make a rack. The feet of the stand have been designed to also operate as a bracket for joining the units together. This was created as part of an aluminium extrusion brief, therefore a major component had to use this manufacturing technique. The die stack for the part was also designed to explore how this product would be made in industry. This is the part where heated aluminium is pushed through to give it its shape.

Activity Aid



One of the struggles people with early to mid-stages of dementia have is remembering the sequence of steps for tasks. This causes frustration as well as a lack of confidence. Activity Aid guides the user through home-based tasks, allowing them to maintain some independence. The user presses the button of the task they need assistance with, a voice then guides them through it. This voice can be recorded by a carer or family member for personalised experiences. The device can be customised to each person tailoring specific tasks they struggle with.

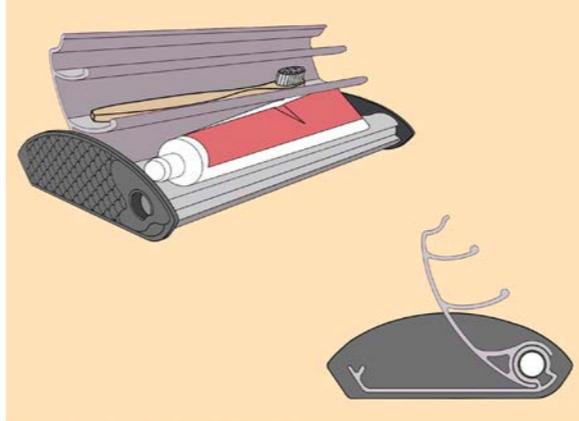
Lyam Hovelmeier



I am lucky to have experienced a wide range of cultures. This has laid the foundation of my design ethos, a translator, allowing me to better communicate my concepts and establish productive relationships with my clients.

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Aluminium Extrusion Project



Aluminium extrusion was used as the primary method of manufacture for this design brief. The product is a multi-functional toiletry case that allows for ease of storage whilst travelling and can also display the items when the user is stationary. Sustainability plays a large role in the design. It being made primarily from aluminium means it can be more readily recycled compared to current products on the market. The product comprises of simple components that friction-fit together for ease of cleaning and manufacture.

Mechatronics Project - Curious Luminous



The focus of this group-project was to create a product that responded to a real-world input, such as sound or motion, and react to that input accordingly. The user would need to be able to alter certain features of the product remotely via an integrated app. The final product was a lamp that when approached would rotate towards the user, illuminating the workspace in front of them. The integrated app was designed to allow the user to adjust the brightness of the lamp remotely.

Tobias Jarrett



I am a product engineer and designer who develops innovative and futuristic products that could be placed into production tomorrow. My true passion lies in designing for everyday use, by creating products that improve people's day to day lives.

tobyjarrett@hotmail.com

Automatic Pet Food Feeder



With our increasingly busy lifestyles, wouldn't it be good to know that your pet gets the right amount of food each day, regardless of whether you are in the house or not? A pair of design students set out to build an intelligent pet food station that would be able to provide more than one precise meal per day. The product is controlled by an app that the owner can use to create a feeding schedule, including weights of food to dispense for breakfast, lunch and dinner.

TUF Flooder



Driving through flood water is the number one cause of flooding associated deaths in the UK. To reduce this risk, a new flood alert system has been designed. The sensing bollard takes a range of measurements including depth, flow rates and temperature. It also features shock absorbing technology to ensure its readings remain accurate even when faced with the full force of a flooded river. Up the road, an interactive sign has been designed with stern warnings that will instantly appear the moment driving conditions become too dangerous to pass.

Joseph Martin



My name is Joseph Martin and I am a graduate BSc Product Designer at Nottingham Trent University. I have had experience designing products from small laptop stands, to environmental projects, to robot arms.

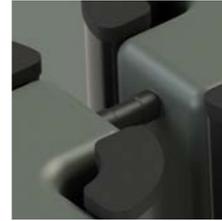
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Aluminium Extrusion Laptop Stand



Modern laptops such as the Apple MacBook Pro have become lighter and thinner however, this has come at a cost of long-term use causing throttling and strain at the wrists and the back. This laptop stand aims to reduce the onset of fatigue and improves the thermal performance of laptops by adjusting the angle of the laptop. It's designed to be small and fit into a backpack to cater for use out of the office. Its compact design conforms to reduced space requirement needs and improves the operation of the product.

Elephant Storage



With the growing population size and the subsequent growth in demand for water, this modular grey water storage solution aims to reduce household water usage whilst making water accessible in the months which are dryer where water demand is at its highest point. It collects water from tumble dryers and stores this grey water. The grey water from a tumble dryer contains no harmful chemicals or particulates, but it does have more minerals which are beneficial for plant growth compared to tap water.

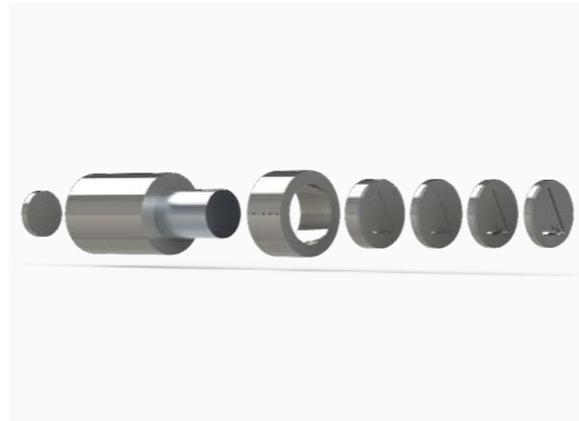
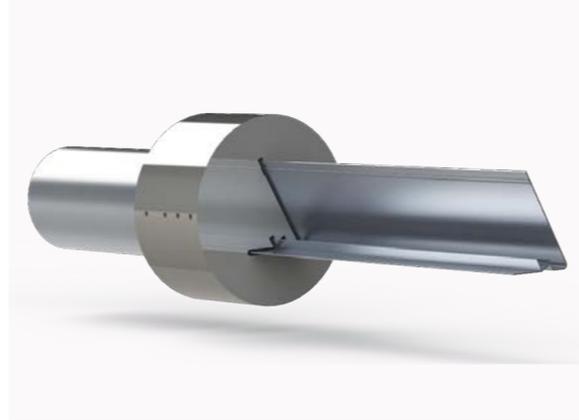
Joe McCracken



I am driven to create well designed and thought out solutions that have a strong focus on the attention to the smaller details. All design decisions I make are as a result of meticulous research.

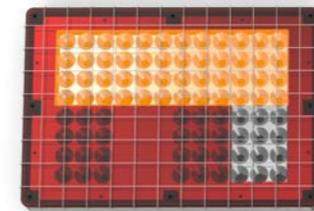
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SLICE



SLICE aims to increase safety within the kitchen through offering a proper storage solution for kitchen knives. This keeps them sharp, making the use of them far safer. The main form of the product has been designed to be manufactured with ease through utilising the aluminium extrusion process. Extensive research into materials, finishes and treatments are embedded into the DNA of SLICE and contributes greatly to the final form. SLICE has been prepared for manufacture through designing the tooling required.

ONECYCLE



A large proportion of collisions between cyclists and HGVs involve a left turn, making them the most dangerous manoeuvre for large vehicles. ONECYCLE has been designed to make these turns safer. A research collaboration with Tarmac has driven this endeavour, resulting in a re-engineered rear light cluster and informative graphic added to the rear of the vehicles. This is only illuminated when the vehicle is turning left for clarity. It is designed to reduce driver stress and increase cyclist awareness, both of which strive to make Britain's roads safer.



Alex Page



I am a designer who enjoys solving problems by using creative solutions to improve user interactions and experiences. I believe that the functionality of designs is a key factor in ensuring complex problems can be solved to a high standard.

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Modular Shoe Display



With online shopping popularity is increasing, it is now crucial stores entice customers in. Visual merchandising plays an important role, which is why a simple and clean, yet still aesthetically pleasing product is a good solution. This led to the creation of the modular shoe rack which allows retail stores to change or expand shelving displays to suit their evolving needs. This concept allows the products on the shelf to stand out, rather than the shelving. Along with simple branding or product information, this ensures that consumers are not overwhelmed.



Studio Go



Designed to carry equipment and be utilised as a workstation, this is the piece of kit makes leaving the studio seamless. Studio Go is an adaptable and fully collapsible product that improves the productivity of the user's work with many standout features. A generous range of attachments are available to ensure that the needs of many different photographers are met. Caster wheels which have a large tread with both swivel lock and brakes ensure that this product can move over various terrains whilst being easy to control in all situations.



Ben Pavey



A design engineer priding themselves on carefully considered design through CAD and rapid prototyping. I enjoy solving problems, ensuring designs are optimised for manufacture and suitable for real-world use. This passion has contributed to successfully designing high strength and specific processed parts.

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Alu-Charge



Alu-Charge is an aluminium framed wireless charger. The design combines the sleek aesthetics of aluminium, with the function of the plastic dominated market of wireless charging. The profile of the design has been designed with extrusion in mind so that is ready for batch production. Aluminium boasts far superior recyclability, with a far larger percentage being recycled compared to plastics. This means the design not only looks better than the competition but boasts better end of life characteristics.

Raised Access Flooring



Raised access flooring is used worldwide from offices to commercial spaces. This new stronger design helps the system be light weight and eco-friendlier. To achieve this, the design uses I beams as the core shape due to their unmatched strength to weight ratio. Further weight was saved by conducting topology studies to discover the areas of high and low stress along the beam when placed under load. This means areas that do little to resist bending could be removed, saving weight. This also ensures no sacrifice to strength was made.

Tom Riley



I understand the need to come up with innovative ideas/solutions to improve product performance, reliability and sustainability. I enjoy solving complex technical problems and take great interest in manufacturing processes through all stages of design and development through to fruition.

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BLOX



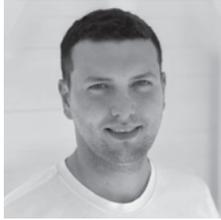
A modular knife block manufactured solely by extrusion. The knife block has been created to meet the ever-changing needs of the modern family home. The unit has been functionally designed to suit compact living spaces, with an urban approach to aesthetics. The modular design allows users to tailor their knife block to their culinary needs. Each module has been designed to be slim and dishwasher safe for easy cleaning and to aid with the elimination of germs. All module sizes utilise the same interlock mechanism to maximise block size diversity.

CR-EEL



A retractable cable reel for hybrid/electric vehicles, with connectivity to your smartphone, making charging on the go quicker, easier, cleaner and more convenient. Designed for use with portable charging cables, CR-EEL uses your existing cable with no wiring required. This means it is ready to use and tangle free. CR-EEL avoids the need to gather up dirty cables and wrestle them into flimsy storage bags. Aesthetically designed with durability in mind, its impact resistant casing protects your cable and eliminates tangling. Insert your cable and CR-EEL is ready to go.

Jacob Staniforth

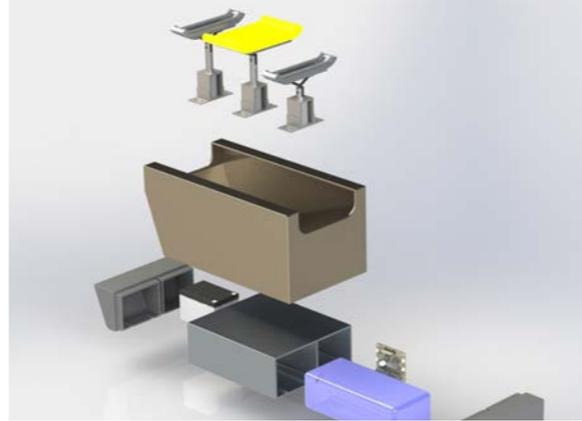


A driven design engineer, I thrive on creativity whilst focusing on solving complex problems. Combining engineering and design allows me to create innovative designs focused on removing potential risks to life as a main driver for a live industry requirement.

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Escalator Handrail Cleaner



In busy public places escalators pose as a point that many of us will interact with. Holding handrails is a key point for the transmission of bacteria and viruses. This design for an escalator handrail cleaner aims to offer piece of mind to the public by automatically cleaning and disinfecting handrails. The cleaner reduces the amount of human labour required to keep the handrails clean whilst simultaneously raising hygiene levels in public areas.

Automated Leak Testing Ultra High Pressure Cylinders



Automating a process that can be potentially fatal when considering the safety in the manufacture of pressurised gas containment, is a significant step-forward. Working alongside Chesterfield Special Cylinders, this project improves operator safety and quality assurance, creating an industry standard solution. A remote-control leak test and inspection unit ensures the operator is removed from the danger area whilst recording testing, therefore improving quality assurance and test verification. The unit is designed to be fitted to Hydrogen Delivery Trailers containing large numbers of individual cylinders tested at 250 Bar Pressure.

Nico Andika Sunandar



I am an adaptive designer who is proactive and able to learn new things independently to achieve the best possible outcome.

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Altar



Altar brings the concept of modular guitars to a whole new level. With only its extruded aluminium chassis as the defining feature, it allows the user to interchange anything attached to it. This way, the artist can personalise their guitar aesthetically, functionally, as well as its sound signature. Freedom is what this is all about. The user can use any pickup from any manufacturer, choose their own preferred neck profile, body style, and make their own configuration.

DELA



Autonomous Intelligent Vehicles (AIV) navigate using a map of its location and sensors to detect presence and objects around it. This makes it safe to operate amongst crowded areas. DELA, the delivery assistant, provides a configurable cart. It can be tailored for different use cases. A removable vacuum-formed inner compartment allows for easy cleaning and prevents internal spillage from contaminating the structure itself. Polycarbonate trays allows the user to quickly see if anything was left behind.

Joseph Tatlow



I knew I wanted to become a designer from a young age when I saw blueprints of a Spitfire. Since then I have wanted to produce meaningful products that change people's lives for the better.

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Key Cage Security System



The idea behind this product was to create a safe where car keys can be stored. Due to the rise of car theft using relay sensors, this device is aimed to minimize the number of car thefts. This product provides a variety of features increasing the security and safety for the possessions inside the key cage. The designed product was programmed to have a working keypad and sensor allowing for easy access to the contents inside.

Scoliosis Spinal Training Model



This project set out to create a device that aims to help with training surgeons on scoliosis and kyphosis procedures. Developing upon work completed by previous students, the aim was to redesign the mechanical movements of this product. Due to the previous manufacturing process being outdated, another had to be identified to future proof the manufacture of the spine model. The developed final product allows surgeons to train on a model capable of creating a variety of scoliosis curvatures to help the understanding of procedures for future surgeries.

Sam Wilkins



As I continue my professional journey, my career is one big learning experience that continuously grows with each project and collaboration. Dedicated to functionality and curiosity for what's ahead of the curve, I keep my work practical, relevant and creative.

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AI-lumination



AI-lumination. A subtle designer light for outdoor and indoor use. Born through aluminium extrusion, AI-lumination is both durable and desirable as well as remaining environmentally conscious. AI-lumination addresses the market that lacks a multipurpose light. Attach the light to the floor, wall or even the ceiling. The lighting module is portable and can be removed from the base for wireless charging. The light is charged through a low power micro USB connection and is toggled on/off through a touch sensitive switch; simply tap the outer shell of the light.

Move fit



Move fit, a desk top exercise reminder that is always by your side promoting healthy movement and awareness. Keeping healthy is an important factor of life. Regular intervals of exercise help to keep the body and mind fresh and healthy. Through appropriate alerts, the device lights up and vibrates to notify the user. The user then disconnects the portable device from the charging unit to complete the necessary exercise. It aims to create an inclusive atmosphere within an office environment through leaderboards, offering incentives to those who use the device accordingly.

Thank You

Thank you to all the academic and support staff, including course leaders, module leaders, tutors and administrators for their guidance, critique and encouragement throughout our time at NTU and since moving to online teaching at a critical point of our course, due to the COVID-19 pandemic.

Thank you to the staff team who have lead the Online Degree Show and encouraged us to be so ambitious. Additionally, we would like to thank the technical staff for their continued support in communicating, modeling and testing our projects, onsite and online.

While we are really disappointed to not have a physical celebration with all students and staff at the end of our course, we look forward to doing this together in the near future.

Course Leader

Dr Phillipa Marsh

Module Leaders

Martin Higginson

Dr Matthew Watkins

Studio Tutors

Prof Amin Al-Habaibeh
Prof Phillip Breedon
Martin Higginson
Richard Malcolm
Julian Parker

Dr Luke Siena
Nicolette Sizer
Professor Diazhong Su
Dr Matthew Watkins

Technicians

Sue Allcock
Insa Ba
Mark Beeston
Lee Bollard
Steve Chamberlain
Alan Chambers
Adriana Clark
James Cooper
Charlie Dennis
Dave Edwards
Chris Forbes

Matt Garlick
Ben Hutton
Judith Kipling
Graham Knighton
Steve Marriott
Dave Nix
Carl Smith
Lucy Thomson
Kerry Truman
Emily Quinn
William Zindoga



The Product Design Online Degree Show 2020 celebrates the outstanding work of final year students from BA (Hons) Product Design, BSc (Hons) Product Design, BA (Hons) Furniture & Product Design and the Product Design Masters courses at Nottingham Trent University. This includes a curated virtual exhibition, a design process film, digital course brochures and individual student profiles.

The virtual exhibition has been created using state of the art visualisation software. Global audiences can view students models, images and videos through an interactive 360° virtual experience and a cinematic video tour. The design process film celebrates the iterative and experimental aspects of design, from ideation and sketching to making and material testing.

The website includes individual student profiles, showcasing final year design and research. It also includes the 'Conversations On Design' IGTV series with ten designer interviews from their home studio, talking about their career and advice on staying creative during the COVID-19 pandemic.

Online Degree Show Coordinators

Dr Rebecca Gamble Liam Martin

Online Degree Show Editors

Les Arthur	Emma Lane
Ian Campbell Cole	Richard Malcolm
James Dale	Dr Luke Siena
Chris Forbes	Dr Daniel Shin
Katie Furnston	Karen Winfield

Online Degree Show Consultants

Website Development: Matt Brunt
Photography and Editing: Julian Hughes
Videography: Mike Kane

Image Credits

Lyam Hovelmeier

Callum Cawkwell

Rebecca Brown

student committee 2020

Each year, a dedicated committee of final year students shape the NTU Design Industries brand to reflect their identity and values and to design their degree show.

This year, we have worked together to move our degree show online. As strong minded, disciplined, creative individuals, we refused to be defined as the Year of the Covid-19 pandemic. Our decision was to stand tall, be bold, be ambitious and take this opportunity to demonstrate our vast creativity and desire to innovate. With the support of our tutors and technicians, we have produced an ambitious Online Degree Show for a global audience.

ntu design industries

Branding Design and Brochure Team

Brochure Lead: Dana Salmanzadeh

Joel Carr
Luke Foster
Kate O'Rafferty

Lara Smith
Ella Stephenson

Photography and Sketches Team

Lead: Sophie Trainor

James Metcalfe
Layole Ogundimu

Social Media Team

Lead: Kate McCormack

Georgia Cook
Josie Evans
Megan Glew
Olive Kennington
Hayley So

Website Team

Joseph Barnes
Sam Simmonds

Virtual Exhibition

Curator: Esmé Wheatley
Graphics: Sophie Trainor
Video: Brandon Nield
Music: Luke Foster

3D Editors

Pearl Cavaney
Bret Chapman
David Dolding
Tom Farmilo
Adam Fergusson
Staszek Lyson
Lara Smith
Connor Strudwick

Online Degree Show

Online Degree Show 2020

This year the degree show is experienced exclusively online through the NTUDI website.

The NTUDI website includes a curated virtual exhibition, design process films, digital course brochures and individual student profiles.

Online Event Schedule

Industry preview: Wednesday 17 June
Public launch: Friday 19 June
Industry Feedback Event: Tuesday 23 June
Live Lecture: Wednesday 24 June
Virtual Open Day: Friday 26 June

www.ntudesignindustries.com



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