



OUTDOOR PRODUCT DESIGNER



AWARDS



SKILLS



Keyshot, Rhino, SolidWorks, Fusion 360, Blender & Grasshopper Algorithmic Modelling.

Illustrator, Indesign, Photoshop, Substance Painter.

Full Computer Literacy, Proficient with Microsoft Office Suite.

FDM & CBJ 3D Printing machine operation & maintenance.

Trained in MIG welding, metal mill's, lathes & all standard workshop machinery.

Experience with PIC's, Arduino, Raspberry Pi, Python Coding, C Programming.

EMPLOYMENT HISTORY

DATES



HEAD SPORTS. PERFORMANCE FOOTWEAR DESIGNER

2023 - PRESENT

As a Product Designer, I work on the conception, design, and development of functional sports shoes with a focus on tennis and padel. I develop products independently based on my knowledge and experience, while supervising various design projects in collaboration with product management, development, and Asian suppliers.

Additionally, I create 2D/3D drawings, material databases, and conduct market research and benchmark analysis. I use Adobe CS (especially Illustrator) and 3D software (Rhino), and travel internationally to visit suppliers, factories, and trade fairs.



LACOSTE. FTW 3D PRODUCT DESIGNER 1 JUNIOR 3D DESIGN ENGINEER

2019 - 2023

As a 3D Footwear Product Designer at Lacoste from 2019 to 2023, I focused on creating innovative designs for visualisation and prototyping purposes. My CAD modelling skills in Rhino and Solidworks, combined with my ability to use Rhino Grasshopper for algorithmic modelling, allowed me to create unique organic grip patterns for outsole tooling.

I used 3D scanning with Artec Eva to reverse engineer models in Rhino, and utilised the in-house CBJ 3D printer to create visual prototypes. Additionally, I used Keyshot to produce photorealistic images of the shoes, streamlining the design process by reducing the number of required physical samples. Finally, I completed animations using Blender, Keyshot, and Adobe After Effects, and created 3D assets using Substance Painter.



PENTLAND BRANDS. JUNIOR 3D PRODUCT DESIGNER

2019
(6 MONTH GRADUATE INTERNSHIP)

Part of the design pool scheme ran by Pentland Brands, off the back of the New Designers Exhibition I started a 3 Month internship working for Lacoste PCL. Helping build their model library, training in Keyshot & Rhino for rendering and Visualistaion purposes.



SOLAR TECHNOLOGY INT. LEAD DESIGN INTERN

2017-18

Project Managing over 20 projects in the year, Helping to develop and design their new range of Solar hiking projects for the Freeloder Brand, as well as other brands under the parent company.

EDUCATION



BRUNEL UNIVERSITY. 1ST CLASS HONOURS **PRODUCT DESIGN ENGINEERING (BSC)** with Professional Practice

2015-2019

I graduated from Brunel University with a 1st Class Honours in Product Design Engineering (BSC), with extensive training in the design process.

I have a keen eye for detail and am proficient in various CAD/CAM software, such as SolidWorks, Blender, Fusion 360, Rhino, and more.

Additionally, I'm highly skilled in Adobe design software, including Illustrator, InDesign, and Photoshop. I have practical experience in workshop practices such as Metal Fabrication, Basic Carpentry skills, and Plastic manufacturing, which have honed my design thinking and problem-solving abilities.

I have a thorough understanding of design for manufacture, advanced graphic communication and presentation, and computational fluid dynamics theory. I have completed significant design projects for The North Face, Canon, Bosch, and Xicato, amongst others.



SHARBROOK UPPER SCHOOL

2010-2015

A-Levels: Electronics (A), Product Design(B), Physics(B), Maths AS (B).

GCSE's: 12 Grade A*- C - subjects as Programming and Computing amongst others

AWARDS



JAMES DYSON AWARD - UK RUNNER UP

2019

Sun-Up solar backpack an articulating flexible solar array built as a collaborative project with The North Face was awarded the national runner-up in the 2019 James Dyson award.



DEZEEN AWARDS - LONG LISTED

2019

SunUp Solar Backpack was selected for the longlist in this year's Dezeen Design Awards within the wearable technology category.



C IDEA AWARDS - RUNNER UP

2019

Sun-Up solar backpack made it through to the nominations for the year's C-Idea award.

OTHER QUALIFICATIONS

Outdoor First Aid Qualified (16hr Course) 2022

ICDL Qualification (Previously ECDL)

Full UK Drivers License

ABOUT ME

As a Product Design Engineer with a passion for the outdoors, I create functional and beautiful designs that enhance the sporting experience. Drawing inspiration from nature, I strive to make my designs open, accessible, and durable for daily use or thrilling adventures. With expertise in concept generation and CAD technical skills, I specialize in creating visually appealing and feasible products.

I have collaborated with companies like The North Face, honing my project management skills and ability to communicate ideas graphically. My portfolio showcases my vision of merging form and function, with a focus on creating products that elevate the outdoor industry. From 3D visualizations to manufacturable prototypes, I ensure that every design meets both aesthetic and functional requirements.

I am constantly eager to learn and improve my skills, and I am excited about the opportunity to design for your specific needs. Let's work together to create exceptional designs and get more people outdoors!