

BEN COLLIS | DESIGN ENGINEER

I am a London based design engineering graduate from Imperial College with a passion for solving sustainability issues. My multidisciplinary skillset gives me the ability to tackle a huge variety of problems. I want to be part of a company that truly makes a difference to climate change & human pollution.

EDUCATION

Imperial College London | MEng Design Engineering

Oct 2017 - Jun 2021

First Class Honours, Dean's List Award (top 10% of cohort)

Modules include: industrial design, circular economy, mechatronics, manufacturing, business strategy, machine learning, computing, graphic design, entrepreneurship.

Master's thesis: Investigating How Signs of Use Affect Users' Perceptions of Reusable Takeaway Packaging

Merchant Taylors' School | A-Levels

Sep 2015 - Jul 2017

Mathematics (A*), Product Design (A*), Economics (A)

EXPERIENCE

Shirinoku | Co-Founder

Jun 2021 - Present

Created '[The Noku Canvas](#)' which raised £140,000 on [Kickstarter](#) in September 2021, placing it in the top 1% of all Kickstarter projects. Lead the packaging design & manufacture, marketing, CAD, and graphic design. Gained experience in creating a real-life product from conceptualisation to manufacture with real customers.

Materra | Design Engineering Intern

Apr 2020 - Jul 2020

An agro-tech start-up that grows radically sustainable cotton for the fashion industry. Tackled a human-centred design problem to replace hand cotton picking, built 3 prototypes and tested them in-field at their cotton research facility. Developed a machine vision app to identify plant disease via a fully functioning prototype and interactive UI.

M-Kopa Solar | Research & Development Intern

Jul 2020 - Oct 2020

A large African tech company that makes solar energy accessible to anyone. Supported the development of a smokeless, cost effective cooking solution for rural Kenyans. Led crucial user research in Kenya & Uganda which helped pave the way for a new direction for the company. Worked with the graphic design team to revitalise their app UI.

The Magic of Things | IoT Engineering Intern

Jun 2019 - Sep 2019

A startup that brings magic to life with technology. Redesigned their wand retail packaging to lower the cost by 83%. Created a new voice activated module using a Raspberry Pi, allowing spoken 'spells' to actuate 'magic' around the user. Manufactured, shipped, and installed 4 of these modules at their New York venue. Managed a 14 unit 3D printing farm.

SKILLS

Design | Sketching, UX/UI, User Research

Visualize | Adobe Photoshop, Illustrator, Indesign

Prototype | 3D Printing, Laser Cutting, Arduino

Code | Python, MATLAB, C++

CAD | Fusion360, SolidWorks, Keyshot

Professional | Pitch Decks, Teamwork, Communication

INTERESTS

Alpine Climbing - Ice, Rock, and Snow. Summited Mont Blanc (4810m) and Matterhorn (4478m)

Woodworking - Furniture, Bowls, and Spoons. Built a campervan from scratch.

Travelling - Iran, India, Turkey, Vietnam, Mexico

Sustainability - Can talk about it for hours!



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