

Education

Imperial College London // Integrated Masters (MEng), Design Engineering

2016 - 2020

Graduated with First class Honours.

My studies focused on the theory and engineering design and development of technological products, systems and digital services.

Modules: Engineering (Electrical / Mechanical / Software), Programming for Data Science, Robotics and Optimisation, Sensing & IOT, Human-centred Product and Service Design, Human-Computer Interaction, Design-led Innovation and Enterprise, Industrial Design, Design Psychology, Design for Additive Manufacturing, Sustainable Design, Enterprise Management.

Uppingham School, UK // A-levels: 2A*, 2A // iGCSE: 9A*, 2A

2011-2016

Subjects: Mathematics, Further Mathematics, Physics, Economics. School Prefect and Honourary Academic Scholar

Awards

Global Grad Show 2020 Exhibitor

November 2020

Selected as part of 100 student projects from 1,600 entries worldwide to be exhibited at Dubai Design Week 2020.

Douglas Bomford Trust Award

February 2020

Awarded £2,000 cash prize to develop agTech solutions for UK agriculture

Work Experience

Presso // Design Consultant

Jul 2020 - Present

Responsible for early-stage, strategic design-related tasks for a hardware startup developing automated garment-cleaning robotic kiosks for film and fashion industries. Improving user experiences for human-machine interactions and machine analytics dashboard for product automation development. Redesigning customer acquisition channels and website to boost expansion into multiple markets within the US.

Cultive // Co-founder & Chief Operations Officer

Oct 2019 - Present

Accepted into **Imperial Enterprise Lab's Pioneer Fund Program**.

Creating soil sensor network platforms providing holistic water management solutions for arable crop farmers. Leading a small team in conducting market analysis, product design / growth strategy, sensor technology development and implementation.

Presso // Design Engineer

Apr - Sept 2019

Based at the **HAX Hardware Accelerator Program** in Shenzhen, China.

Joined an early-stage, pre-seed startup and accelerated development of automated garment-cleaning robotic kiosks from a proof-of-concept prototype to scalable batch production units in five months. Within a team of three, I was responsible for engineering and machine interaction efforts alongside accelerator consultants and suppliers. Other responsibilities include rebranding and assisting co-founders with product strategy to boost traction towards a convertible note fundraising round and a pool of 60+ prospective clients / investors from organic growth.

Q Design Studio & Q Venture Partners // Summer Intern

Jul - Sept 2018

Based at a product design consultancy in Hong Kong. Participating in engineering and supply chain analysis, manufacturing management and client communication for several hardware projects in different form factors, from home appliances to wearables. Assisted the Venture Capital team on academic research for deep technologies and creating an ideation framework for portfolio companies.

ASTRI Hong Kong // Cyber-Physical Systems Intern

July - Aug 2017

Assisting development on robotic systems in novel Industry 4.0 manufacturing applications, utilising Linux & ROS.

Technical and Practical Skills

Service Design Prototyping & Blueprints

Qualitative / Quantitative Methods

Mathematical Optimisation Methods

Data Science and Interpretation

Front-end Web / App Development

User Interface and Experience Design

Storyboarding / Sketching / Illustrations

Business Modelling & Pitching

Computing Skills

Python, Javascript, ReactJS

Adobe Creative Suite (Illustrator,

InDesign, Photoshop, Premiere Pro)

InVision / Sketch / Figma

Solidworks, Fusion 360, Rhino

Arduino, Raspberry Pi, MATLAB

ROS Development

Languages

English (Bilingual)

Mandarin (Proficient)

Cantonese (Native)

Additional Activities

Aug 2018 - Aug 2019

Imperial Design Engineering Society

// Operations Manager and Secretary

Responsible for leading and growing a student society for 500+ members, including organising the inaugural 'Dyson Makeathon' and full-day 'Open House' exhibition. Awarded 2018/19 **"Club, Society & Project of the Year"** by Imperial College Union.

Nationalities

British, Hong Kong Chinese

Imperial College Chinese Society // Publicity Officer

Aug 2018 - Aug 2019