

EDUCATION

IMPERIAL COLLEGE LONDON MASTER OF ENGINEERING, COMPUTING *Sept. 2018 - June 2022*

- Achieved **First-Class Honours** in both years of study . Overall, 72% in first year and 81% in second year
- Guided first-year students with their weekly assignments as an **Undergraduate Teaching Assistant**
- Due to take part in an Erasmus exchange at the **Universidad Politécnica de Madrid** from *Sept. 2021 to June 2022*

CHARTERHOUSE SCHOOL CAMBRIDGE PRE-U *Sept. 2013 - June 2018*

- Achieved the equivalent of 4 A*s in Mathematics, Further Mathematics, Physics, and Economics
- Selected from 120 students for a 2 week exchange program with YK Pao School in **Shanghai**
- Led the annual Inter-House Art Competition as a House Culture Monitor and ranked 2nd out of 14 boarding houses

EXPERIENCE

MICROSOFT PROGRAM MANAGER INTERN *April 2021 - Sept. 2021*

- Contributed to the development of a new feature of Cortana - a **virtual assistant** - in the incubation phase
- Informed design decisions and validated core product hypotheses by conducting a usability testing **user research**
- Prioritized bugs raised on Cortana, directed them to the right development teams, and replied to users

R3 SOLUTIONS ENGINEER INTERN *June 2020 - Sept. 2020*

- Designed a **blockchain prototype** to enable R3 to initiate a conversation with businesses in the energy sector
- Pitched a PoC to the head of the Industrial Business Unit and the head of the Trade and Supply Chain vertical
- Connected with the Government and Relations team to scope regulatory compliancy in the ecosystem

ABB ROBOTICS TRAINEE *June 2018*

- Trained using an **IRB 2400 robot**, leading to the obtention of an Industrial Robot Controller 5 certificate
- Programmed the robot using the Tool Coordinate System when the robot was holding an object to perform tasks
- Worked alongside experienced technicians from the automotive industry and learnt about real-life use cases

PROJECT

MARS SETTLEMENT CONSULTANCY *Jan. 2021 - Apr. 2021*

- Designed a scalable Mars settlement that would grow from 1,000 to 10,000 occupants in a group of 50 students
- Presented the design to a consortium of parties from the **Space Industry**, including the UK Space Agency
- Learnt the importance of communication and systems thinking when building a complex system as one large team

MULTI-PAXOS DISTRIBUTED SYSTEM *Jan. 2021 - Mar. 2021*

- Built a simple **replicated banking service** solving the consensus problem in a network of unreliable processes
- Supported server and network failures making the system fault-tolerant and prevented livelock scenarios
- Achieved an overall grade of 95% for design, code quality and functional correctness

DORA WEB ENGINEERING *Apr. 2020 - July 2020*

- Developed a web application for a **charity** assisting people in need across Sub-Saharan Africa - Change 1's Life
- Automated the donation process to enable the charity to sort donations in **1 day instead of 2 weeks**
- Ranked 2nd out of 50 teams when presenting the project to designers from the Royal College of Art

ACHIEVEMENTS

- Earned a 1st Dan **Black Belt** in the Shotokan Karate style after 5 years of training
- Awarded an **academic scholarship** distinguishing 3 out of 190 students in their final school year
- Received a 5-year **music scholarship** and played a key role in several orchestras and musical events
- Climbed the Dômes de Miage at a height of 3,673 metres during a 3 day hike with my father and a mountain guide

SKILLS

LANGUAGES *Native:* French *Fluent:* English *Intermediate:* Spanish

SOFT SKILLS Growth Mindset | Teamwork | Communication | Empathy | Adaptability | Leadership | Creativity

HARD SKILLS User-centered Design | Prototyping | UX Research | Agile Methodologies | Java | Python | Haskell