

Education

MEng Electrical and Electronic Engineering, Imperial College London

2013 - 2018

- **First Class in Year 3.** Best module thus far: **Artificial Intelligence** (Grade: **A+**)
- Modules include embedded systems, artificial intelligence, machine learning, advanced signal processing, optoelectronics and optical communication, systems and control theory, discrete-event automata theory, graphics.

Projects

Final Year Project in partnership with Microsoft (Oct 2017 - June 2018): Tech Accessibility for the Visually Impaired.

- Ideate, design, and implement solution for specific use cases to improve the user experience of the visually impaired when using smartphones and PCs to consume data for learning and productivity.
- Involve inexpensive tactile spatial navigation interface, voice feedback (directional audio à la 3D Soundscape, speech, non-speech sounds), AI/machine learning, and possibly GPU/cloud/high performance computing optimisation.

Personal Website (Version 0): Designed and coded by yours truly. Used **Angular**, Continuous Integration, Microsoft Azure.

Year 2 Group Project: Responsible for the **Bluetooth LE Android app (Java)** of the Pickpocket Prevention tool. (Grade: **A+**)

Work Experience

Schlumberger Abingdon Technology Centre (AbTC)

Software Engineering Intern

Apr - Sep 2017

- Technology stack: **Docker, Kubernetes, Microsoft Azure, Google Cloud (incl. Pub/Sub, Datastore), CouchDB, Grafana, Swagger (API), Node.js, Angular (TypeScript, HTML, CSS), Python, Go / Golang**
- Commercial software development involving user-centred design, UX, Agile methodology, and Continuous Delivery.
- Worked on both the **front end** and **back end of cloud / web applications**.
- Contributed to products at various stages: internal tools, early discovery, development, go live for user testing, go to market.

TuringLab Lead instructor for paid coding lessons. Volunteer for outreach lessons for girls and the less privileged.

2015 - 2016

Bloomberg LP, London

Trading Solutions Connectivity and Integration (TSCI) Summer Intern

Jun - Sep 2014

- Worked with proprietary Visual Programming Language (VPL) based on **F# language, PDF syntax, XML/XSLT/XSD, FIX message**
- ETL workflow and data transformation. Used F#-based VPL to create Automation Tool to generate Weekly Project Status Reports for clients. Project presented by manager in Bloomberg's annual summit in New York.
- Used F#-based VPL to create Transform that parses FIX messages into readable XML with detailed handling of Repeated Groups and ability to handle different versions of FIX Specification. Liaised with Fixed Income Trading (FIT) department.

University Royal Naval Unit (URNU) London

2013 - 2014

- Royal Navy training establishment that aims to develop undergraduates who show the potential to become the leaders of tomorrow, through maritime experience and exposure to the values and ethos of the Royal Navy.
- Officer Cadet (OCDT). One of around 20 new cadets selected in 2013 from universities in London.

Extracurricular Activities and Awards

Microsoft Student Partner Write technical articles. Get involved in outreach programmes for university students.

2017 - 2018

Old Centralians' Trust Student Activity Award (Peter Lindsay Award)

2017

- Awarded to two undergraduates from each department in the Faculty of Engineering for all-round involvement in university life.

BP Women in Science and Engineering Award

Awarded by BP via the Faculty of Engineering

2016

Imperial College Advanced Hackspace (ICAH)

Champion (Student Volunteer)

2016 - present

McKinsey Discover, London

One of 43 participants selected from around 1200 applicants for residential programme.

2016

- Used McKinsey's approach to solve business case studies and deliver presentations. Honed interpersonal and soft skills.

US Young Southeast Asian Leaders Initiative (YSEALI) YOUNified Malaysia 3rd Anniversary Project Funding

2016

- Advisor for Team XX Factor: One-day programme comprising of team games to inspire teen girls to pursue STEM with confidence
- Won funding from the US government's YSEALI programme. Designed cryptography game that introduces basic coding concepts.

Robogals (London Chapter)

Volunteered to teach children robotics with the aim of increasing girls' participation

2014

Imperial Hub CoderDojo

Worked with fellow volunteers to teach youth/children coding

2013 - 2014

Programming Languages, Markup, Framework Python, Go, C++, TypeScript, JavaScript, Prolog, Java. HTML, CSS. Angular.

Language Skills Native/Bilingual proficiency in English, Mandarin (traditional, simplified), Cantonese, Malay. A little Japanese.

Interests Theory of Music (won Hedy King Robinson Award two times), Music Composition, Piano (ATCL Diploma), SCUBA diving.