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Education

Worked before enrolling in university in 2013. Took medical leave from university in the 2014 - 2015 academic year.

MEng Electrical and Electronic Engineering, Imperial College London 2013 - 2018

- **First Class in third year** (2016 - 2017 academic year). Best module thus far: **Artificial Intelligence** (Grade: **A+**)

Projects

Interests: Software engineering, technical consulting. ***Cloud / Web development (front end, back end)****,* ***distributed / parallel / concurrent computing****,* ***Human-computer Interaction (HCI)****.*

Final Year Project (Oct 2017 - June 2018): Designing accessible tech for the visually impaired in partnership with Microsoft.

- Voice isolation/filtering via AI/machine learning to improve experience of using voice assistant in a noisy city environment, ability to scan through content when using smart devices/computer, inexpensive tactile framework, haptics

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 with UX focus. Worked on both the front end and back end of cloud / web applications.

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**
- 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.

Revietex Proofread scientific or engineering academic papers (written in English) by Korean universities 2013 - 2014

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

- Each year, two undergraduates from each department in the Faculty of Engineering are awarded for all-round involvement in university life. I was awarded for my involvement in tech education and plans for the Imperial College Advanced Hackspace.

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

- Advised on funding proposal and idea development. Won funding from the US government's YSEALI programme.
- Designed cryptography game that introduces basic concepts in coding with Python to participants.

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.