

University of Oxford

Oct 2017 – present

B.A. in Philosophy, Politics and Economics (PPE)

- Quantitative Political Essay Prize: for [best essay](#) of politics cohort (~300 students)
- Sam McNaughton Prize: for top score in Philosophy in the PPE first-year exams
- Fowler Prize(s): for First-class performance in termly exams, awarded 6/6 terms

Relevant online courses (Coursera/edX)

Computer Science

Algorithms and Data Structures
From NAND to Tetris I & II (computer architecture)
Databases

Data Science

Big Data Analysis with Scala and Spark
Parallel Programming
Deep Learning

Languages and Technologies

Fluent in Python, JavaScript. Familiar with Scala, R, SQL, C++
Keras, Node.js, Electron, Hyperledger, PostgreSQL

Data Scientist (Intern)

Jun 2019 – present

Inzura AI

- Increased monthly active users by > 20% by building customer intervention pipeline in Python and SQL that uses Bayesian statistics to maximise intervention effectiveness
- Built deep learning model with Keras that reduces trip processing time by 100x compared to existing rule-based system
- Deployed distributed Apache Spark infrastructure and performed Big Data analysis with Scala on >6 billion data points

Blockchain Developer (Intern)

Jun 2018 – Aug 2019

Infocomm Media Development Authority of Singapore (IMDA)

Created a [fully-automated blockchain demonstration](#) of supply chain management with:

- Real-time blockchain visualisation using JavaScript and Canvas
- IoT sensor integration to update asset location data on Hyperledger blockchain
- QR-code based asset tracking with Node.js

Software Engineer

Jun 2017 – Aug 2017

Imcomp International

- Greatly increased firm efficiency (75% less time taken to generate reports, 300 engineer hours saved per month) by developing [bespoke building inspection software](#) (Electron, Vue.js, JavaScript)

Venture Capital Analyst (Intern)

Jan 2017 – May 2017

iGlobe Partners

- Co-wrote 2 papers recommending investment; senior management accepted both recommendations and made Stage B investments
- Developed [more powerful version](#) of [Microsoft Mail Merge](#) in Python that automates away 90% of human errors and saves 50% time when sending mass mailers

Python Programming Tutor (Volunteer)

May 2016 – Sep 2017

Ulu Pandan Stars

- Taught a team of underprivileged children Python and led them to win 3rd (amongst ~100 participating teams) in national hackathon CodeXtreme

Soldier (Conscript)

Feb 2015 – Dec 2016

Singapore Armed Forces (SAF), HQ Army Medical Service

Developed the Army's first [item tracker and SMS reminder service](#) with React and Node.js:

- Won second prize in the Army Annual Innovation Competition
- Won Best Soldier of the Month out of ~3000 soldiers