# Zhenghong **Lieu**

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## Education

### University of Oxford, Merton College
2017 – 2020 (est.)

Philosophy, Politics and Economics (PPE) BA

- Quantitative Political Essay Prize: for best essay of my Oxford politics cohort, *Does Consensus Democracy Improve Economic Outcomes?*
- Fowler Prize(s): for First-class performance in termly exams, awarded every term so far

### Coursera Specialisations
2017 –

- Algorithms Specialisation, Stanford University
- From NAND to Tetris (I & II), IDC Herzilya
- Machine Learning, Stanford University

## Work Experience

### Blockchain Developer Intern
Jun 2018 – Aug 2018

Infocomm Media Development Authority of Singapore (IMDA)

- Developed a fully-automated blockchain solution for supply chain management:
  - Real-time blockchain visualisation
  - QR-code enabled asset tracker
  - Supports Smart Contracts, REST API calls, IoT integration

Tech stack: Hyperledger Fabric/Composer, Node.js, JavaScript

### Software Engineer
Jun 2017 – Aug 2017

Imcomp International

- Greatly increased firm efficiency by developing building inspection software:
  - 85% less total time taken per inspection
  - 75% less time taken to generate report
  - 300 engineer-hours saved per month (~100 inspections/month)

Tech stack: JavaScript, Electron, Vue.js

### Venture Capitalist Intern
Jan 2017 – May 2017

iGlobe Partners

- Co-wrote 2 investment papers recommending investment in fintech/big data startups
- Senior management accepted both recommendations and made Stage B investments
- Developed more powerful version of Microsoft Mail Merge that achieved:
  - 90% fewer human errors in sending emails
  - 50% time saved
- Produced 5 reports on promising industries and methods of funding
- Attended 50+ meetings with new deals and produced meeting minutes

Tech stack: Python

### Conscripted Soldier
Feb 2015 – Dec 2016

Singapore Armed Forces (SAF), HQ Army Medical Service

- Second Prize, Army Annual Innovation Competition: for developing the Army's first item tracking database and automatic SMS reminder service
- Best Soldier of the Month (July 2016): out of ~3000 soldiers

Tech stack: JavaScript, React, Node.js, Express.js, auth.io, Heroku, MongoDB

## Community Service

### Supervisor and Tutor
May 2016 – Sep 2017

Ulu Pandan Stars

- Led the team that won 3rd (amongst ~100 participating teams) in national hackathon CodeXtreme: "digital wallet" implementation on the micro:bit embedded system
- Taught underprivileged children Scratch and Python programming

## Skills

- Proficient in Javascript and Python; some knowledge of C++, C, R
- Technologies: NodeJS, React, Vue, Electron, Pandas, NumPy, matplotlib, MongoDB