

Zhenghong Lieu

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Education	University of Oxford, Merton College 2017 – 2020 (est.) Philosophy, Politics and Economics (PPE) BA <ul style="list-style-type: none">Quantitative Political Essay Prize: for best essay of my Oxford politics cohort, Does Consensus Democracy Improve Economic Outcomes?Sam McNaughton Prize: for best performance in Philosophy in the PPE first-year examsFowler Prize(s): for First-class performance in termly exams, awarded every term so far
	Coursera Specialisations and MOOCs 2017 – present <ul style="list-style-type: none">Algorithms Specialisation (taught by Tim Roughgarden), Stanford UniversityCompetitive Programmer's Core Skills, SPSUFrom NAND to Tetris (I & II), IDC HerzilyaMachine Learning (taught by Andrew Ng), Stanford University
Experience	Blockchain Developer Intern Jun 2018 – Aug 2018 Infocomm Media Development Authority of Singapore (IMDA) <ul style="list-style-type: none">Headed a project that persuades industry leaders to adopt blockchain in their companies, after obtaining buy-in from senior managementDeveloped a fully-automated blockchain solution for supply chain management:<ul style="list-style-type: none"><i>Real-time blockchain visualisation</i><i>QR-code enabled asset tracker (Blockchain REST API)</i><i>IoT sensor integration to update asset location data</i> Tech stack: Hyperledger Fabric/Composer, Node.js, JavaScript
Languages <ul style="list-style-type: none">JavaScriptC/C++17PythonHTMLCSS	
Technologies <ul style="list-style-type: none">Node.jsElectronReactHyperledger	Software Engineer Jun 2017 – Aug 2017 Imcomp International <ul style="list-style-type: none">Greatly increased firm efficiency by developing bespoke building inspection software:<ul style="list-style-type: none"><i>85% less time taken per inspection</i><i>75% less time taken to generate report</i><i>300 engineer-hours saved per month (~100 inspections/month)</i> Tech stack: Electron, Vue.js, JavaScript
	Venture Capitalist Intern Jan 2017 – May 2017 iGlobe Partners <ul style="list-style-type: none">Co-wrote 2 investment papers recommending investment in fintech/big data startupsSenior management accepted both recommendations and made Stage B investmentsDeveloped more powerful version of Microsoft Mail Merge that achieved:<ul style="list-style-type: none"><i>90% fewer human errors in sending mass mailers</i><i>50% time saved in sending mass mailers</i> Tech stack: Python
	Conscripted Soldier Feb 2015 – Dec 2016 Singapore Armed Forces (SAF), HQ Army Medical Service <ul style="list-style-type: none">Developed the Army's first item tracking database and automatic SMS reminder service:<ul style="list-style-type: none"><i>Won second prize in the Army Annual Innovation Competition</i><i>Won Best Soldier of the Month out of ~3000 soldiers</i> Tech stack: React, Node.js, Express.js, auth.io, Heroku, MongoDB, JavaScript
Service	Supervisor and Tutor May 2016 – Sep 2017 Ulu Pandan Stars <ul style="list-style-type: none">Led the team that won 3rd (amongst ~100 participating teams) in national hackathon CodeXtreme: "digital wallet" implementation on the micro:bit embedded systemTaught underprivileged children Scratch and Python programming