

Education

- Class of **Yale-NUS College**, *BA in Anthropology*, Singapore.
- 2017 ○ Graduated with honours from Singapore's first liberal arts college with a CAP of 4.6 / 5.0.
- Spring **Yale University**, *Yale Visiting International Student Program*, New Haven, Connecticut, USA.
- 2015 ○ Completed courses in gender studies, human rights, and philosophy.
- Class of **Ngee Ann Polytechnic**, Singapore.
- 2010 ○ Graduated with a Diploma with Merit in Information Technology with a GPA of 3.99 / 4.00.
 - Topped the cohort of more than 200 students.

Experience in Media and Technology

- Feb 2018 **SmartHongBao.com**, *Blockchain developer*, Singapore.
- present ○ Developed SmartHongBao.com, an Ethereum smart contract and web interface which enables anyone to give and receive time-locked red packets — like a trust fund, but on the blockchain.
 - Featured by [Business Insider Singapore](http://BusinessInsiderSingapore.com).
 - Technologies used: Solidity, Truffle, Heroku, Amazon Web Services, web3, Preact, Javascript, and LESS.
- Jun 2017 **Singapore Academy of Law**, *Full-stack developer*, Singapore.
- present ○ Built [LIFTED Mobile](http://LIFTEDMobile.com), an app that helps lawyers to improve their skillsets and find continuous professional development courses which best suit their needs.
 - Translated business requirements into a user-friendly, cost-efficient, and technically sound product.
 - Technologies used: Amazon Web Services, Docker, Django, PostgreSQL, Preact, Scrapy, Javascript, Python, and LESS.
- Dec 2016 **Uppercase Search**, *Founder and developer*, Singapore.
- present ○ Launched [Uppercase Search](http://UppercaseSearch.com), a search engine for Singapore's parliamentary records catered to lawyers, researchers, and the general public.
 - Designed a search interface that is much more user-friendly than the official Hansard search page.
 - Wrote a scraper, parser, storage, and search system for Hansard data. Technologies used: Python, PostgreSQL, Elasticsearch, Django, and ReactJS.
 - Deployed the search engine on a Heroku, Amazon S3, and Searchly stack.
- Sept **Sociopolitical quizzes**, *Coordinator and developer*.
- 2015-June 2016 ○ **Sept 2015**: Launched [Electionaire](http://Electionaire.com), an online policy quiz that matches users to political parties contesting in the 2015 Singapore General Election.
- Performed extensive research on 10 political parties' policy positions on 15 policy issues.
 - Featured by traditional and new media platforms, including the Channel 8 nightly news, the Straits Times liveblog, [Yahoo Singapore News](http://YahooSingaporeNews.com), and [The Online Citizen](http://TheOnlineCitizen.com).
 - Reached **181,000 users in just 1 week**.
 - **May 2016**: Launched [Electionance](http://Electionance.com), an online policy quiz for the 2016 West Bengal State Elections. Assisted policy research on four major Indian political parties on more than 10 policy issues. Collected users' responses and [analysed](#) the relationship between their partisan affiliations and policy stances.
 - **June 2016**: Launched [Remain vs Leave](http://RemainvsLeave.com), an online policy quiz for Brexit voters. Managed a team of students to perform policy research.
- Summer 2014 **Yale-NUS Cognition and Attention Laboratory**, *Research Assistant*.
- Designed and ran experiments on the effects of cognitive attention on visual appearance, wrote custom experiment software, analysed data, and generated graphs. Experimentally reproduced work by [Carrasco \(2004\)](http://Carrasco(2004).com).
 - Built experiments using Python and PsychoPy, and performed data analysis with R and ggplot2.

Other projects

- **Malvama**: Secure Monero cold wallet generation on the Raspberry Pi.
- **Cybersecurity research and disclosure**: I [found and reported](#) a security vulnerability in a [Wireless@SG](http://Wireless@SG.com) system which, if exploited, could have led to widespread SMS spamming at the expense of a major telco.

Skills

- Fluent in English and conversational Mandarin.
- Technical skills: Solidity, Ethereum smart contracts, Debian/Ubuntu Linux, Arduino, Heroku, Django, ReactJS, Elasticsearch, PostgreSQL, Git, Python, Java, Javascript, R, C, HTML, CSS, and more.