

Education

- 2018 **B.SE., Electrical and Computer Engineering & Computer Science**
Duke University, Durham, NC
GPA 3.93, Fall '14 and Spring '15 Dean's List with Distinction
Notable Courses: Operating Systems (Spring '16), Digital Systems (Spring '16), Computer Architecture, Data Structures and Algorithms
- 2011 **Singapore-Cambridge General Certificate of Education Advanced Level**
Raffles Institution, Singapore
7 Distinctions, 3 Dean's Lists, Raffles Diploma Distinction, Distinction for H3 Physics Research

Previous Experience

- May – Aug 16 **GOOGLE, Engineering Practicum Intern for Content Ads, Site Reliability Engineering Team**
1. Built python command line interface for team
- May – Aug 14 **RED DOT VENTURES, Summer Associate**
1. Attended meetings with regional startups and assisted in due diligence process
2. Helped startups in web dev and coded Unix & Python scripts to increase productivity.
- Mar – May 14 **JTC CORPORATION, Engineering Intern**
1. Head organizer of JTC Challenge, a 4 day engineering hackathon for high school students.
2. Presented research on technologies that aid industrial sustainability.
3. Shadowed engineers during project meetings and site visits.
- 2009 – 2013 **A*STAR, INSTITUTE OF MATERIALS RESEARCH & ENGINEERING, Student Researcher**
1. Co-published paper - Distribution of Switching Fields in Thin Films with Uniaxial Magnetic Anisotropy, *Journal of Magnetism and Magnetic Materials*, v.329, 170-177
2. Did magneto-optical analysis of novel magnetic structures
3. Programmed a statistical model to characterize magnetic and optical behaviour

Accolades

- 2014 **COMPETITION COMMISSION & ECONOMICS SOCIETY OF SINGAPORE ESSAY AWARD 2ND PRIZE**
Co-authored paper on Competition Law and Policy, focusing on disruptive innovation.
- 2011 **XXI SAKHAROV'S READINGS IN ST. PETERSBURG, SPECIAL DIPLOMA**
One of three people to represent Singapore in international science symposium. Presented research on characterisation and computational model of magnetic materials.

Portfolio

- 2015 **MEMENTO - HACKATHON@SINGAPORE**
1 of 10 Final Round Projects. Lead developer for project, using Bluetooth Beacons to allow people to securely store photos at locations. Hosted on Linux VPS with Node.js, Express.js, MongoDB.
- 2015 **FOODPOINTS PLUS**
Co-developer of [Foodpoints+](#), an app for Duke Students to track their food spending. Built with Node.js, MongoDB, Angular.js. Has reached 250 monthly active users.

Programming Proficiencies

Working Proficiency: Java, Javascript (Node.js, Express.js, Angular.js), Python

Basic Proficiency: C, Go, MongoDB, HTML, CSS

Other: L^AT_EX, Cisco CCNA Routing and Switching Trained, MATLAB, Mathematica, Unix

Other Activities

Teaching Assistant for Duke CS201 (Data Structures and Alg.), Member of Duke University Debate Club, Novice Champion at University of Vermont Huber Debates 2014. Treasurer of Duke Singapore Students' Association. Hobbies - Reading, Hiking