

Education

2018

BACHELOR OF ENGINEERING. ELECTRICAL AND COMPUTER ENGINEERING
Duke University, Durham, NC

GPA 3.92, Fall 2014, 2015 and Spring 2015 Dean's List with Distinction

Notable Courses: Engineering Robust Server Software, Compilers, Embedded systems, Independent study - UAV Drone Hacking Simulator, Distributed Systems, Design & Analysis of Algorithms, Operating Systems, Digital Systems, Computer Architecture, Data Structures and Algorithms

Technical Proficiencies

LANGUAGES: Python, C++, Java, SML, Haskell, C, Scala

OTHER: \LaTeX , MATLAB, Mathematica, Unix

Working Experience

May - Aug '17

GOOGLE, Mountain View, CA

Software Engineering Intern, Identity and Authentication Team

- Built 2 credential exchange handlers on one of the highest load systems at Google.
- As of end August 2017, handlers were serving >100 QPS in a test environment.

May - Aug '16

GOOGLE, Mountain View, CA

Engineering Practicum Intern, Content Ads Site Reliability Engineering (SRE)

- Built python framework to increase discoverability and extensibility of SRE tools.
- Implemented a graph search algorithm that allows 100s of different commands to be found. Wrote 10 modules for the framework interfacing with various parts of production.
- Designed a command-line interface with autocompletion for the framework.

May - Aug '14

RED DOT VENTURES, Singapore

Summer Associate

- Attended meetings with regional startups and assisted in due diligence work.

2009 - 2013

A*STAR, INSTITUTE OF MATERIALS RESEARCH & ENGINEERING, Singapore

Student Researcher

- Published paper - Distribution of Switching Fields in Thin Films with Uniaxial Magnetic Anisotropy, Journal of Magnetism and Magnetic Materials, v.329, 170-177
- Did magneto-optical analysis and modelling of novel magnetic structures

Portfolio

2015

MEMENTO - HACKATHON AT SINGAPORE

Top 10 project at hackathon. Used Bluetooth Beacons to allow people to securely store photos at different locations. Built with Node.js, Express.js, MongoDB.

2015

FOODPOINTS+

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.

Accolades

2014

Competition Commission & Economics Society of Singapore Essay Award 2nd Prize

2011

XXI Sakharov's Readings in St. Petersburg, Special Diploma

OTHER ACTIVITIES: ○ IEEE-Eta Kappa Nu ○ Tau Beta Pi ○ Teaching Assistant for Duke CS201 & ECE270 ○ Novice Champion at UVM Huber Debates 2014 ○ Treasurer of Singapore Students' Association.