

Education

University of Maryland, College Park
B.S., Electrical Engineering
Specialization in Computer Engineering

Expected graduation May 2019

Coursework: Introduction to Machine Learning, Computer Security, Digital Computer Design, IC Fabrication Lab, Computer Organization, Engineering Probability, Electromagnetic Theory, Signal and System Theory

Work Experience

IBM, Austin TX

June - Aug. 2018

Developer Intern, OpenPOWER Enablement Team

- Worked with team responsible for IBM's POWER9 reference design system
- Developed benchmark code in C to test the bandwidth of PCIe Gen 4 under different system setups
- Set up and carried out SPEC CPU2006/2017 benchmarks to test reference system performance
- Developed a Python script to allow SSH connection to multiple systems using an interactive GUI

Syska Hennessy Group, New York NY

June - Aug. 2017

Electrical Engineering Intern

- Supported junior and senior engineers through the use of AutoCAD MEP, Revit, and Microsoft Excel
- Assisted with electrical systems design, analyzed meter data, drafted equipment load schedules
- Worked on the Canadian Consulate, 550 Madison Ave., and the NYU Langone Medical Center

Project Experience

Gemstone Honors Program, Team VOLTAGE

Sept. 2015 - May 2019

Project Co-Author, Financial Liaison

An invitation-only, four-year program in which students conduct a team-based research project.

- Focused on lowering the cost required for electrowetting based displays through alternative designs
- Fabricated test devices through the use of clean room equipment

Robotics at Maryland

Jan. 2018 - Dec. 2018

Electrical Subteam

- Designed mixed-signal printed circuit boards for underwater robot using EAGLE

Introduction to Engineering Design, Over-Sand Vehicle

Sept. - Dec. 2015

Section Council, Project Leader, Power Subsystem Leader

- Assigned a group of eight classmates based on skillsets in order to create an autonomous OSV
- OSV successfully navigated to and identified the composition of specific debris
- Spoke and made decisions on behalf of group, led meetings, designed and soldered circuits

Leadership Experience

Bitcamp Organizer

Aug. 2016 - Present

Director of Sponsorship

- Lead meetings, coordinate with team to collect and manage funds for the hackathon
- Contact university affiliated partners and independent corporations to fulfill a 200k budget

Freshman Honors Colloquium: Introduction to Gemstone

Aug. - Dec. 2016

Section Leader

- Led a weekly 75 minute class that orients new Gemstone students to the Program and the University
- Prepare lesson plans, grade assignments, and critique research project sheets

Honors

University of Maryland President's Scholarship

2015-2019

A.James Clark School of Engineering Dean's List

Spring 2016, Spring 2017

Skills

Proficient in: C, Python, HTML/CSS, MATLAB, Verilog, Autodesk Inventor, SPEC CPU, Perf, Microsoft Excel

Exposed to: Java, Revit, EAGLE, KiCad, PSpice, MIPS