

## Education

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

Expected graduation May 2019

**Coursework:** Computer Security, Digital Computer Design, IC Fabrication Lab, Computer Organization, Engineering Probability, Electromagnetic Theory, Signal and System Theory, Analog and Digital Electronics

## 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 - Present

*Electrical Subteam*

- Design mixed-signal printed circuit board 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

## Work Experience

**IBM, Austin TX**

June - Aug. 2018

*Hardware Developer Intern, OpenPOWER Enablement Team*

- Worked with team responsible for IBM's POWER9 reference design system
- Developed benchmark code 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

## 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, MATLAB, Verilog, Python, Autodesk Inventor, SPEC CPU, Perf, AutoCAD MEP, Microsoft Excel

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