Jason Ittner

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Education

University of Maryland, College Park   Expected graduation May 2019
B.S., *Electrical Engineering*
Specialization in **Computer Engineering**

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, Python, HTML/CSS, MATLAB, Verilog, Autodesk Inventor, SPEC CPU, Perf, Microsoft Excel

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