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EDUCATION

MIT | SB ELECTRICAL ENGINEERING AND COMPUTER SCIENCE GPA: 4.9

2017 - 2021

Great Falls High School | Great Falls, Montana

2013 - 2017

GPA: 4.0 | Rank: 1/298 | ACT: 35 | National Merit Scholar

EXPERIENCE

Microsoft Garage | Software Engineering Intern

May - Aug. 2019

- Designed and implemented a modular, scalable data architecture for an independent intern project
- · Initiated and led a reorganization of team's Git workflow
- Facilitated meetings and communication across 4 disparate dev teams to produce a working prototype

MIT Media Lab | Undergraduate Researcher

May - Aug. 2018

- · Designed an algorithm to improve accuracy of location detection for Rhythm Badges project
- Developed a full data processing pipeline, from raw output to analyzable dataframes, leveraging multi-core processing for efficiency

HackMIT | Logistics Head 2019, Dev & Corporate Relations 2018

April 2018 – Present

- Heading up a 12-person logistics team to plan and execute MIT's largest hackathon (HackMIT 2019)
- Secured \$25,000+ in sponsorship funding for HackMIT and TechX
- Supervised 100 mentors, 50 volunteers, hosting for 300 hackers, WiFi, and packages for a 1,200 person hackathon (HackMIT 2018)

Maseeh Hall | President 2019, Treasurer 2018, WebTech Chair

Jan. 2018 - Present

- · Served as primary interface between the largest dorm on campus and administration
- Led Maseeh Hall in reviving various clubs and committees, resulting in a 20% improvement in retention
- Developed new system to manage allocation, distribution, reimbursements, etc. for a \$150k budget

PROJECTS

StreetSmarts | C++, PYTHON, SQL, MULTIPLEXING

lrylander.github.io/StreetSmarts

A smart street lamp system for emergency responders, leveraging real-time optimal routing, cloud-based synchronization, and voice activation. Final project for 6.08

HackMIT/Blueprint Homepages | HTML, CSS/SASS, GULP

hackmit.org, blueprint.hackmit.org

Self-taught HTML/CSS to contribute to the development of the HackMIT 2018 and Blueprint 2019 splash pages, the landing site for MIT's largest hackathon and high school learnathon/hackathon

Coursework

Fall 2019 6.172 Performance Engineering, 6.828 Operating Systems

Spring 2019 6.033 Computer Systems Engineering, 6.002 Circuits, 6.036 Machine Learning

Fall 2018 6.004 Computation Structures, 6.08 Intro to Embedded Systems, 6.006 Intro to Algorithms

SKILLS

ADVANCED Python, Linux

KNOWLEDGEABLE HTML/CSS, TypeScript, C/C++, Git, LATEX, Bluespec SystemVerilog, C#, Vim

EXPLORING Java, Rust, Bash, Agile Development