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EDUCATION

MIT | SB ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

2017 - 2021

GPA: 4.9

Great Falls High School | GREAT FALLS, MONTANA

2013 - 2017

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

EXPERIENCE

Stripe | Software Engineering Intern

May - Aug. 2020

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 I 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 - Sept. 2019

- · Heading up a 12-person logistics team to plan and execute MIT's largest hackathon
- Designed layouts, schedules, and staffing for a 1,200-person event over 3 days

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

PROJECTS

StreetSmarts | C++, Python, SQL

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

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

Spring 2020 6.858 Computer Systems Security, 6.141 Robotics, 18.05 Probability & Statistics Fall 2019 6.172 Performance Engineering, 6.034 Artificial Intellligence, 18.06 Linear Algebra Spring 2019

6.033 Computer Systems Engineering, 6.002 Circuits, 6.036 Machine Learning

SKILLS

ADVANCED Python, Linux

KNOWLEDGEABLE HTML/CSS, Javascript/TypeScript, React, C/C++, Git, LATEX, C#, Vim

EXPLORING Rust, Bash, Redux