COLIN GREYBOSH

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EDUCATION

Massachusetts Institute of Technology (MIT)   *Class of 2022*
Course 6-2, Bachelors of Science in Electrical Engineering and Computer Science   GPA: 4.3

Relevant Coursework: Software Construction, Fundamentals of Programming, Computation Structures, Introduction to Computer Science and Programming Using Python, Intro to Quantum Computing, Circuits and Electronics, Differential Equations

EXPERIENCE

MIT 6.031: Software Construction   Lab Assistant
Cambridge, MA   *August 2020 - Present*

- Participating in staff meetings to increase the course's efficiency while teaching remotely

- Educating students in software engineering principles that make code safe from bugs, easy to understand, and ready for change

- Reviewing and critiquing students' work to provide actionable feedback and places to improve on their code and documentation

Kupenda for the Children   Software Engineering Intern
Hampton, NH   *June 2020 - August 2020*

- Developed Dockerized Node.js app to locate and provide resources to children with disabilities in rural Kenya

- Deployed the open source CommCare platform on AWS EC2 to reduce operating costs after analyzing costs and benefits of the system

- Designed a project timeline to integrate the new AWS platform with the company's existing mobile apps

- Collaborated with consulting groups to review code, standardize development, and document product releases

MIT Media Lab   Research Student
Cambridge, MA   *September 2019 - May 2020*

- Developed urban mobility simulation for Media Lab City Science group with included web-interface using Python, HTML, CSS, Javascript, and PHP

- Modelled agent-based, granular traffic simulation for neighborhoods with specific land use and population statistics

- Evaluated effectiveness of scheduled lane assignments in dense urban spaces on reducing congestion and bettering multimodal transit

MIT East Campus Housecomm   Hall Chair
Cambridge, MA   *February 2019 - February 2020*

- Chaired and advocated for my living group in the greater East Campus Housecomm government

- Oversaw yearly move-in process and hall rooming assignment for first-year students

- Budgeted semesterly expenses of over $2000 for hall events and allocated reimbursements for students

SKILLS

Languages
- Python — Expert
- Java — Proficient
- C++ — Proficient
- JS — Proficient
- PHP — Familiar

Tools
- Git
- Bash
- JUnit
- Excel
- SUMO

ACTIVITIES

Educational Studies Program   Teacher
Cambridge, MA   *September 2018 - Present*

- Designing and teaching classes to over 100 middle school and high school students

- Educated students in calculus and automotive engineering