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: 4.4

Relevant Coursework: Software Construction, Artificial Intelligence, Mathematics for Computer Science, Fundamentals of Programming, Computation Structures, Intro to Quantum Computing, Circuits and Electronics, Differential Equations

EXPERIENCE

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

- Mentoring students in software engineering principles that make code safe from bugs, easy to understand, and ready for change while also providing debugging help with Java and Git.

- Reviewing and critiquing course materials for clarity, conciseness, and effective pedagogical methods to elevate the quality of class projects, lecture readings, and Java review exercises

- Collaborating with course staff in code reviews and grading processes to provide actionable and constructive feedback for students' assignments to improve code and documentation quality

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 in comparison to using a third-party hosting and support service

- 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 City Science Group   Undergraduate Researcher
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   4E Hall Chair
Cambridge, MA   *February 2019 – February 2020*

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

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

ACTIVITIES

WMBR 88.1 FM   Radio Host and DJ
Cambridge, MA   *February 2019 - Present*

- Curating and engineering a weekly radio show

- Performing new member outreach and fundraising

SKILLS

Python · Java · JUnit · C++ · HTML5, CSS3, JS · PHP · Node.js · AWS EC2 · Git · Regex · Bash · AI