

# COLIN GREYBOSH

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## EDUCATION

### Massachusetts Institute of Technology (MIT)

Course 6-2, Bachelors of Science in Electrical Engineering and Computer Science

*Class of 2022*

GPA: 4.3

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

## EXPERIENCE

### Kupenda for the Children

Hampton, NH

Software Engineering Intern

*June 2020 - Present*

- Developing mobile apps to help volunteers support disabled Kenyan children with medical and educational aid
- Deploying the CommCare platform on AWS cloud computing to reduce operating costs
- Integrating the new AWS CommCare platform with Kupendas existing mobile CommCare enabled apps
- Collaborating with volunteer groups to review code and document product releases

### MIT Media Lab

Cambridge, MA

Research Student

*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
- Analyzed performance of autonomous electric vehicles as last-mile mode of public transit
- 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

Cambridge, MA

Hall Chair

*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

### Weis Markets, Inc.

Hazleton, PA

Sales Associate

*August 2016 - August 2019*

- Managed calls from customers to support order fulfilment for online grocery shopping
- Provided customer service for tracking orders, resolving delivery, and related issues for 300+ products
- Operated and maintained self-checkout POS systems and full-service registers

## SKILLS

### Languages

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

### Tools

- Git
- Bash
- JUnit
- Excel
- SUMO

## ACTIVITIES

### Educational Studies Program

Cambridge, MA

Teacher

*September 2018 - Present*

- Designing and teaching classes to over 100 middle school and high school students
- Educated students in calculus and automotive engineering