

# Esther Magbagbeola

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## EDUCATION

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### Massachusetts Institute of Technology

Cambridge, MA

- Candidate for a B.S. degree in Urban Science with Computer Science. Minor in Chinese.
- GPA: 4.4/5.0
- Awards: Edison Scholar. Amazon Future Engineer Scholar.
- Relevant Courses: Software Design, Introduction to Algorithms, Intro to Spatial Analysis and GIS.

May 2027

## EXPERIENCE

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### Amazon Devices

Irvine, CA

*Software Development Engineer Intern*

Jun 2025 – Aug 2025

- Redeveloped state machine to optimize transition logics between steps within a client's workflow.
- Designed API operation endpoints and connectivity to make engine interface more developer friendly.
- Constructed new schema to adhere to Amazon Standard Language and increase user accessibility to service.

### Amazon Groceries

Irvine, CA

*Software Development Engineer Intern*

Jun 2024 – Aug 2024

- Integrated two internal Amazon self-service tools for marketers to change Amazon product assignments to different end categories.
- Engineered metric system for marketers to understand and improve the Amazon browsing experience.

### UROP- Biking Network Analysis Project

Cambridge, MA

*Researcher*

Sep 2024 – Jan 2025

- Built city network scenarios for potential bike routes with higher levels of safety and accessibility.
- Collaborated with the Food and Fitness Coalition in Mattapan to analyze relative qualitative data.

### COOP at MIT

Cambridge, MA

*Bookseller*

Mar 2024 – Jun 2024

- Managed sales of COOP merchandise worth up to \$4,000 per shift.
- Maintained in-store environment with restock, organization and cleanliness.

## LEADERSHIP EXPERIENCES

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### Undergraduate Association Sustainability Committee

Cambridge, MA

*Operations Lead*

Jan 2024 - present

- Managed \$3,000 budget for meeting expenses and advertised events to the student body and members.
- Assisted school-wide donation drive and thrift pop-ups throughout the school year.

### French Valley Library

Winchester, CA

*Senior Volunteer*

Mar 2022 – Jun 2023

- Planned community events to assist adolescent creativity and reading skills.
- Cataloged 50 historical and communal artifacts for the French Valley archive.

## PROJECTS

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### CodeQueens Hackathon

Feb 2022

- Developed a prototype carpooling app using Scratch that encourages users to decrease carbon emissions.

## SKILLS/INTERESTS

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**Technical:** Proficiency in Java, Typescript, Javascript, Python, React, C++

**Language:** English, Intermediate Mandarin