

Esther Magbagbeola

Cambridge, MA • estymagb@gmail.com • 619-678-6312

EDUCATION

Massachusetts Institute of Technology

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| <ul style="list-style-type: none">• 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. | Cambridge, MA
May 2027 |
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EXPERIENCE

Amazon Devices

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| <i>Software Development Engineer Intern</i> | Irvine, CA
Jun 2025 – Aug 2025 |
| <ul style="list-style-type: none">• 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

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| <i>Software Development Engineer Intern</i> | Irvine, CA
Jun 2024 – Aug 2024 |
| <ul style="list-style-type: none">• 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

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| <i>Researcher</i> | Cambridge, MA
Sep 2024 – Jan 2025 |
| <ul style="list-style-type: none">• 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

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| <i>Bookseller</i> | Cambridge, MA
Mar 2024 – Jun 2024 |
| <ul style="list-style-type: none">• 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 |
| <i>Operations Lead</i> | Jan 2024 - present |
| <ul style="list-style-type: none">• 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. | |

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| French Valley Library | Winchester, CA |
| <i>Senior Volunteer</i> | Mar 2022 – Jun 2023 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• Developed a prototype carpooling app using Scratch that encourages users to decrease carbon emissions. | |

SKILLS/INTERESTS

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

Language: English, Intermediate Mandarin