

Angel Whipple

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Location: Cambridge, MA, USA

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EDUCATION

Massachusetts Institute of Technology

Bachelor of Science in Computer Science and Engineering

Cambridge, MA, US

Sep 2021 – May 2025

Coursework: Software Design, Software Construction, Fundamentals of Programming

Computer Systems Engineering, Computation Structures (**C**, **Minispec**), Low-level Programming in **C & Assembly**

Data Structures & Algorithms, Design & Analysis of Algorithms, Mathematics for Computer Science

Computer Vision, Intro to Machine Learning, Linear Algebra, Creating Video Games with **Unity**

TECHNICAL EXPERIENCE

Full-stack Engineer Intern

Apple

May 2024 – Aug 2024

Cupertino, CA, USA

- Designed a new feature to improve collaborative workflows for over 5 teams within the Info Apps organization.
- Contributed over 2,500 lines of code/tests to an **Ember.js** app with **JS** frontend, **Java** backend, and **Cassandra** DB.
- Presented an end-to-end demo to several primary stakeholders.

Software Development Engineer Intern

Amazon Web Services

Jun 2023 – Aug 2023

Seattle, WA, USA

- Developed a serverless web application using **Angular**, **Typescript**, **HTML**, **CSS**, and **Java** for an end-to-end demonstration of a travel and hospitality services solution at a conference (AWS re:Invent) of ~50,000 attendees and potential customers
- Implemented and linked an Amazon Lex chatbot to the demo platform interface using **Go** build scripts, **AWS DynamoDB**, and **AWS Lambda** functions to streamline the travel booking and customer service experience
- Increased internal documentation and test coverage for over 1,000 lines of code

Undergraduate Teaching Assistant

6.101: Fundamentals of Programming (MIT)

Feb 2023 – Dec 2023

Cambridge, MA, USA

- Spent 100+ hours/semester staffing student office hours, drafting and beta testing coding projects in **Python**, and reviewing fundamental programming concepts

Software Development Engineer Intern

Amazon FireTV

Jun 2022 – Aug 2022

Seattle, WA, USA

- Used **Java**, **Kotlin**, and **CSS** to implement a channel filtering UI feature for FireTV devices in Android Studio
- Secured implementation from bugs by writing <100 unit tests and publishing ~10 code reviews
- Pushed production-quality code for deployment to FireTV devices in >100 countries

PERSONAL PROJECTS

Crash

Typescript, HTML, CSS, Vue.js, Node.js, AWS S3, MongoDB, Linkedin API, Google API, Figma
A website streamlining the short-term relocation process for students, interns, and traveling professionals.

PlaylistGPT

Javascript, HTML, CSS, React.js, Node.js, Express, NoSQL MongoDB, Git
A Spotify playlist generator with recommendation tuning capabilities.

[Source Code](#)

Apocaplyse

Unity, C#, Git
A two-player, first person shooter set in a zombie apocalypse.

[Source Code](#)

TECHNICAL SKILLS

Python, Java, Kotlin, Javascript, Typescript, C/C#, Assembly, Go, Swift, Xcode, React, Angular, Ember.js, Vue.js, HTML/CSS, NoSQL, Bluespec, Unity, Bash, Redis, Docker, Git, REST APIs, Unit/integration testing

ACTIVITIES & LEADERSHIP

Amazon Future Engineer

Scholar Ambassador

September 2024 - Present

Remote

- Engaged current and upcoming scholars through Scholar Socials, K-12 Computer Science Events, and community projects.
- Participated in monthly meetings with the scholarship program's Executive Board.

MIT FutureBuilders

Program Mentor

October 2024

Wokingham, England, UK

- Introduced high school students to the fundamentals of entrepreneurship, real-world data science, AI, and low-code app development with MIT App Inventor.

MIT National Society of Black Engineers (NSBE)

Senator

Sep 2021 – Present

Cambridge, MA, USA

- Represented and cast votes on behalf of MIT NSBE at the national conference.

MIT Black Students Union (BSU)

Alumni Relations Chair

Sep 2021 – Present

Cambridge, MA, USA

- Served as a liason between the BSU and Black Alumni of MIT (BAMIT).
- Managed funding secured from alumni donations and fundraising.