

Amy Jun

amyjun@umich.edu | [linkedin.com/in/amyjun26/](https://www.linkedin.com/in/amyjun26/) | <https://github.com/amyjun26> | <https://www.amyjun.dev/>

EDUCATION

University of Michigan

Bachelor of Science in Computer Science

Ann Arbor, MI

Aug. 2022 – May 2026

Entrepreneurship Leadership Program, Michigan Boxing Club Team, Michigan Track Club Team

SKILLS

Languages: C/C++, Java, Python HTML/CSS, JavaScript, Bootstrap, Unreal Engine Bluescript, Flask, React, SQL, R
Tools: S3, CloudWatch, DynamoDB, Unreal Engine, Next.js, Adobe Premiere Pro, PhotoShop, Perforce (P4V), Figma, QAD
Relevant Coursework: Database Management Systems, Computer Vision, Human Centered Software, Computer Science Theory, Data Structures and Algorithms, Discrete Math, Web Systems, Computer Organization, Software Engineering, Calculus, Linear Algebra, Statistics

EXPERIENCE

Amazon Web Services

May 2025 – Aug 2025

Software Developer Intern

Seattle, WA

- Designed and implemented an asynchronous, multithreaded log search service for Amazon EBS Managed Stages, integrating AWS S3, DynamoDB, and AWS Lambda to search large-scale log files with low-latency, paginated results
- Defined Smithy API models and backend service logic in Java, leveraging Dagger dependency injection to provide AWS SDK clients and internal database abstractions in a modular, testable architecture
- Developed and deployed a multithreaded Python-based AWS Lambda function to stream logs from S3 and perform regex/keyword text matching, capable of processing 2GB log files in under 8 seconds through optimized resource provisioning

University of Michigan Transportation Research Institute

May 2024 – Aug 2024

Unreal Engine Developer Intern

Ann Arbor, MI

- Determined alternative methods to implement visual occlusion in a driver simulation in Unreal Engine, a project backed by the U.S. military
- Modified an existing world 'Yehorivka' by creating vehicle sound and wheel feedback with user testing to examine effects of realism
- Developed a 150% increase in metrics on difficulty of driving by generating an updated report on tools for numerous driving simulator scenarios created

Affinity Tech

May 2024 – Aug 2024

Web Developer Intern

Traverse City, MI

- Redesigned and developed 4 clients and Affinity's company website using HTML, CSS, JavaScript, and Bootstrap, ensuring optimal performance and user experience

V1 Michigan

Jan 2023 – Present

Software Engineer

Ann Arbor, MI

- Built a chrome extension simplifying financial terminology to increase accessibility to finance and investing, received award at Contrary's "Build Blue" hackathon
- Collaborated with and mentored 1200+ entrepreneur community to create and enhance student startups
- Organized speaker events, helping bring in the Deputy CTO of Microsoft, leaders from Neo, YC, Contrary, Notion, Uber, Warp, Optiver to the University of Michigan

PROJECTS

AWS EBS Log Search Engine | *Java, Typescript, React, Cloudformation, DynamoDB, S3, API Gateway* Aug 2025

- Developed a multithreaded search engine that searched through S3 log files and found query matches under 8 seconds

Distributed Map Reduce Program | *Python, Bash/Shell Script, JSON, Flask* Nov 2024

- Developed a Python-based distributed MapReduce framework inspired by Google's MapReduce, featuring a Manager-Worker architecture for parallel data processing across a cluster.
- Implemented fault tolerance, multi-threading, and socket-based communication to handle large-scale datasets efficiently.

Instagram Clone; Server-Side Dynamic Pages | *Python, SQL, HTML/CSS/Javascript, Bash, JSON* Sept 2024

- Developed a database-backed interactive web application using Flask, implementing server-side rendering for dynamic pages. Features included user authentication, CRUD operations for posts and comments, session management, deployment on AWS.
- Designed and integrated a relational database with SQL, enabling functionality for liking, following, and commenting on user posts in a multi-user environment.

Roblox AI Assistant | *Python, Go, React/Flask, HTML/CSS/JavaScript* Sept 2024

- Created an in game AI Assistant using four LLMS with openAI, an LLM synthesizer, and image extraction for the famous Roblox game "Dress to impress"