

Education

University of Michigan - College of Engineering

December 2022

B.S.E. Computer Science, Creative Writing Minor

3.91 GPA

Courses: Web Systems, Data Structures and Algorithms, Computer Security, Compilers, Operating Systems. *Upcoming:* Extended Reality, Human-Centered Software

Experience

Stripe - South San Francisco, CA

May - August 2022

Software Engineering Intern, Support Products Team

- Created a new feature in Case Studio, an agent-facing helpdesk platform, using Ruby and Javascript, and created and handled new Stripe data for 10k+ daily actions.
- Added unit and integration tests, utilized feature flags for a safe rollout to 2k+ agents, and sought team feedback to ensure consistency and reliability of the product.
- Took ownership of and scoped out a second project, and worked closely with other teams to determine the correct courses of action regarding decisions.

Facebook - Menlo Park, CA

May - August 2021

Software Engineering Intern, iOS Messenger Team

- Wrote new plugins in Objective-C and C to begin work on new Community Messaging Audio Rooms feature. Completed UI and full basic creation flow.
- Added unit tests, wrote future-use plugins, and demoed project work to ensure ease of further development.
- Worked with backend and Android developers to kickstart larger project scope.
- Provided insight on future team tasks based on existing expertise from project work.

Personal Projects

Moolah

May 2020 - July 2021

A Discord bot designed to maintain group finances.

- Developed proficiency with JavaScript and Discord.js to build a sleek user interface using Discord's existing assets.
- Utilized SQLite database to log action history and provide reports when requested.
- Created multiple iterations based on project scope and updating Discord features.

Course Projects

EECS 281 - Data Structures and Algorithms

January - April 2020

- **Drone** - Use the Traveling Salesman Problem and Minimum Spanning Trees to find optimal path of a drone.

EECS 485 - Web Systems

January - April 2021

- **Insta485** - Client-side dynamic website for sharing photos using a REST API.
- **Search** - Search a set of documents for a search phrase using PageRank and TF-IDF.

EECS 388 - Computer Security

September - December 2021

- **AppSec** - Perform buffer overflow attacks on varying levels of program security.

EECS 483 - Compilers

September - December 2021

- **Fer-de-lance** - Culmination of simple programming language compiler with variables, conditions, arrays, functions, and lambdas written in Rust.

EECS 482 - Operating Systems

January - April 2022

- **Thread library** - Implementation for use on uniprocessor and multiprocessor systems.
- **Network file server** - Hierarchical multi-threaded server which communicates with clients through network requests.

Skills

JavaScript, Ruby, Python, C++, Rust, C, Objective-C, Bash, HTML, Git