

Education

University of Michigan - College of Engineering May 2023
B.S.E. Computer Science, Creative Writing Minor 3.91 GPA
Courses: Web Systems, Data Structures and Algorithms, Software Engineering
Upcoming: Computer Security, Compilers

Experience

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.

TechSmith Corporation - Okemos, MI May - August 2020
Software Engineering Intern, Knowmia Frontend Team

- Learned React, JavaScript, HTML, CSS, and front-end website development skills for three of the company's cloud products.
- Developed proficiency with GitHub and terminal commands.

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 deeper understanding of asynchronous programming.

Meta July 2021
A Discord bot which detects and converts values between measurement systems.

- Collaborated with a friend to develop a conversion system using Discord.py.
- Employed firsthand experience of being online friends from different countries to understand use-cases and design an optimal system for any user.

MHacks 12 - University of Michigan October 2019

- Developed web application to help user release thoughts through speech-to-text capabilities and track moods over time with aesthetic color schemes.

Course Projects

EECS 281 - Data Structures and Algorithms January - April 2020

- **Stocks** – Create a theoretical stock market using three choices of priority queues.
- **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 given set of documents with a search phrase using PageRank and TF-IDF algorithms.

Skills

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