

James Jiang

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Education

University of Michigan | College of Engineering

Sept 2017 – Apr 2021

- **BSE in Computer Science & Minor in Multidisciplinary Design, GPA: 3.7**
- **Courses:** Data Structures & Algorithms, Computer Organization, Multidisciplinary Software Engineering, Web Systems (APIs, Info retrieval, AWS), Database Mgt. Systems (DB design, Query optimization)
- **Awards:** University Honors & Dean's List, National Merit Finalist, Hadley MDP Scholarship, Gryzenia Scholarship

Skills

Proficient: Python, JavaScript, SQL, C++

Tools: Git, Node, Express, Flask, MongoDB, Firebase, Socket.io, React & Redux, AWS (learning)

Experience

Facebook | Incoming Software Engineering Intern

May – Aug 2020

Apple | Automation Software Engineering Intern

Jan – Apr 2020

Python, Flask, Bash, JS, MongoDB

- Interning on the Wireless Tech & Ecosystems team and focusing on software automation solutions

Dataminr | Front-end Software Engineering Intern

June – Aug 2019

JS, Node, Express, React, Redux, Jest & Enzyme

- Introduced and developed a file-sharing beta feature that automated alert-stream configurations for employees in four offices, decreasing their setup periods from 15 minutes to less than 15 seconds
- Managed API requests and Redux actions/reducers to control user information, permissions, and stream polling
- Communicated with teammates and stakeholders in demos, presentations, daily updates, and JIRA sprint planning

The Michigan Daily | Web Team Engineer

Sept 2018 –

Python, Flask, JS, React, Sass, SQL

- Collaborating with other students and creating digital features for the newspaper's main website and GradeGuide, a tool that lets college students to compare grade distribution data from courses
- Leading recruitment drives, organizing events, and conducting interviews to help to grow the development team

Projects

TriviaChat (jjian-triviachat.herokuapp.com)

June 2019

JS, Node, Express, Socket.io, MongoDB

- Created a chatroom web application that enables real-time communication with WebSockets and allows users to interact with randomized jokes and trivia games
- Used MongoDB & Mongoose to save records and populate an auto-updating leaderboard API

Pincil | MHacks 2018 (devpost.com/software/pincil)

Oct 2018

Kotlin, Firebase, Google Maps API

- Winner of the **Best Use of Firebase Award** out of 112 competing teams
- Designed and developed a location-based Android app for students to both receive and offer paid tutoring on campus using a messaging and map interface
- Managed registration, authentication, image storage, tutor requests, and other real-time user data

Anonymouse | MTech for Free Speech

Jan – Dec 2018

Swift, Kotlin

- Developed a microblogging application able to avoid surveillance and function without cellular or Wi-Fi service
- Communicated with marketing & iOS subteams while creating Android version from scratch