

# 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 | Software Engineering Intern

Jan – Apr 2020

*Python (Flask, MongoDB, Amazon S3) + JavaScript (Electron, React) + Docker*

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

### Dataminr | Front-end Software Engineering Intern

June – Aug 2019

*JavaScript (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, SQL) + JavaScript (React)*

- 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

*JavaScript (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