

James Jiang

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Education

University of Michigan | College of Engineering

Sept 2017 – Apr 2021

- **Computer Science & Minor in Multidisciplinary Design, GPA: 3.7**
- **Awards:** Honors & Dean's List, Gryzenia Scholar, Hadley Scholar, Gougeon Family Scholar
- **Upper-level Courses:** Web Systems, Databases, User Interfaces, Artificial Intelligence

Experience

Facebook (Instagram) | Software Engineer Intern

May – Aug 2020

PHP + Python (Django) + JavaScript (React, GraphQL)

- **Main Project:** Integrated Instagram OAuth flow into Ads Manager (80% of FB's revenue), allowing 7 million advertisers per day to securely connect FB page to IG account and display ads on both platforms
- Introduced multiple improvements to Instagram Graph API, including expanding test coverage, updating public documentation, and adding custom rate limiting to commonly used API endpoints

Apple (Wireless Tech) | Software Engineer Intern

Jan – Apr 2020

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

- **Project 1:** Released an internal cloud browsing platform for Apple teams in USA/China/India/Germany to securely organize and download 9500+ logging files, transitioning them out of a legacy file system
- **Project 2:** Released a multi-threaded app that automates instances of machine learning tasks on the cloud, removing the need for users to manually reset jobs every week and adjust CPU/memory usage

Dataminr | Software Engineer Intern

June – Aug 2019

JavaScript (React, Redux, Enzyme)

- Introduced and developed an internal file-sharing beta feature that automated dashboard configurations for employees in four offices, decreasing their daily setup periods from 15 minutes to < 15 seconds

The Michigan Daily | Web Team Engineer

Sept 2018 –

Python (Flask, SQL) + JavaScript (React)

- Collaborating with other computer science students to create and update digital features such as GradeGuide, a tool that lets college students to compare grade distribution data from courses

Skills

Proficient Languages: Python, JavaScript, C++

Web Development: Flask, Django, Express, Socket.io, React, Redux, GraphQL, MongoDB, SQL

Other: Git, Mercurial, Docker

Projects

TriviaChat (jjian-triviachat.herokuapp.com)

June 2019

JavaScript (Express, Socket.io, MongoDB)

- Chatroom web app that enables real-time communication with WebSockets, allows users to interact with randomized jokes and trivia games, and saves records to populate its leaderboard API

Pencil | MHacks 11 (devpost.com/software/pencil)

Oct 2018

Kotlin (Firebase, Google Maps API)

- Winner of the **Best Use of Firebase Award** out of 112 competing teams
- Location-based Android app for students to securely offer and receive paid tutoring on campus using an interactive map interface and in-app messaging