

Alvin Wang

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EDUCATION

- **University of Michigan** Ann Arbor, MI
 - Bachelor of Science, Computer Science* *Expected Graduation: May 2020*
 - **Relevant Coursework** : Data Structures and Algorithms, Conversational Artificial Intelligence, Database Management Systems, Web Databases and Information Systems, Linear Algebra
 - **Awards** : Michigan Hail Scholar, William J. Branstrom Freshmen Award
 - **Extracurricular** : MHacks Board, Captain of University of Michigan Men's Club Ultimate Frisbee, First-Gen Club

WORK EXPERIENCE

Software Engineering Intern at Dexter - Wichita Falls, TX June 2019 - August 2019

- Implemented a peer to peer messaging system for students on the web application using Javascript, HMTL, CSS, AngularJS, and Firebase
- Created a Chrome Extension that functions as a note taking application with auto-save capability and tracks student browsing activity using Javascript, AngularJS and Firebase

EECS 203 Grader - Ann Arbor, MI September 2018 - Present

- Graded the weekly homework assignments, making sure points were awarded fairly
- Provided helpful comments to students with wrong answers

PROJECTS

Melody January 2019 - Present

- Created a virtual assistant for Spotify that allows for more advanced features like custom playlist curation
- Worked on the infrastructure team that included coding the backend of our Melody server
- Languages and tools used: Python, Javascript, RedisDB, Amazon Skills, Google Dialogue Flow, Cline

Instagram Clone September 2018 - October 2018

- Implemented a clone of the social media platform Instagram with dynamic client and server side
- Built the front end of the application using HTML, CSS, Javascript, and the React library
- Developed the back end of the application using Python, sqlite, and Flask

School Simulator June 2017 - August 2017

- Created a storytelling game where your choices affect the outcome
- Put in charge of handling all the physics behind the objects as well as the sound and graphics
- Developed for iOS using Apples XCode IDE and written in Swift

Piazza Prediction November 2017 - December 2017

- Designed a program in C++ that uses natural language processing and machine learning to automatically identify the subject of posts
- Advanced my understanding of fundamental data structures by creating my own BST and Map data structures

SKILLS

- **Languages:** Javascript, C++, C, Python, SQL, Java, HTML, CSS
- **Tools/Frameworks:** React, Angular, Firebase, Node.js, Git, JQuery, Bootstrap, MongoDB