

# Alex Wang

ANN ARBOR, MICHIGAN

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## Education

### University of Michigan Ann Arbor, College of LSA

*Expected Graduation: May 2021*

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

*GPA: 3.68/4.00*

University Honors (2018, 2019)

Coursework: Data Structures and Algorithms, Web Systems, Database Management Systems, Intro to Computer Security, Intro to Computer Organization, Foundations of Computer Science, Discrete Math, Statistics

## Projects

### PhotoAssasin (iOS Team)

*Sep. 2019 — Now*

iOS APP

- Coordinated with other iOS team members within the Michigan Hackers organization to develop a cohesive iOS game application using Swift, Google Firebase, Cocoapods, and UIKit
- App involves rounds of discretely taking pictures of opponents to avoid elimination
- Ongoing application implementation since the previous year
- Designed and implemented a functional notifications screen with several options turned on and off separately or all at once using buttons
- Implemented user notifications as a locally saved setting, with notification settings changes remembered for next application launch

### alexzw7.github.io

*Nov. 2019*

PERSONAL PORTFOLIO WEBSITE

- Created a personal portfolio website using HTML/CSS, Bootstrap, Javascript, JQuery, and Font Awesome
- Website is responsive to viewport size
- Site is fully functional and constantly being optimized

### Coordinate Path Finder

*April, 2019*

DATA STRUCTURES AND ALGORITHMS (EECS 281) PROJECT

- Coded and used Prim's algorithm to create a Minimum Spanning Tree connecting a given set of Cartesian coordinates under certain conditions
- Developed a fast Branch and Bound algorithm and used Arbitrary Insertion heuristic to produce a near-optimal and optimal solution to the Traveling Salesman Problem (visit all the coordinates and return to the first point while minimizing distance traveled), passing all the instructor's rigorous public and private tests and producing a top score in the class

## Involvement/Extracurriculars

### Michigan Hackers

*Sept. 2019 — Now*

iOS CORE TEAM MEMBER

- Demonstrated passion and commitment to become an official iOS Core Team Member for a top campus CS organization (in terms of company recognition, event activity, and social media presence)

### Casual Gaming Club

*Oct. 2017 — Now*

MEMBER

## Skills

### Languages

- C++, C, Python, Javascript, HTML/CSS, Swift, Bash
- Fluent in English and Chinese

### Software

- Xcode, Visual Studio, PyCharm, Git, Microsoft Office Suite