

# Eddie Xu

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## EDUCATION

**Case Western Reserve University** | *B.S. in Computer Science and Statistics*

**Cleveland, OH**

*Cumulative GPA: 3.82/4.0*

*Grad: May 2022*

**Relevant Coursework:** Programming in Java, Data Structures, Logic Design and Computer Org., Discrete Mathematics, Matlab, Statistics for Signal Processing, Software Engineering, Linear Algebra, Algorithms, Operating Systems.

## WORK EXPERIENCE

**Department of Electrical Engineering & Computer Science**

**January 2020 - Present**

*Teaching Assistant, Introduction to Data Structures*

*Cleveland, Ohio*

- Hold weekly office hours and recitations to help students with assignments and answer questions.
- Work closely with the professor and other TAs to generate problem sets and grade homeworks, quizzes, and exams.

**B-Soft**

**April - June 2019**

*Backend Software Engineer Intern*

*Zhejiang, China*

- Wrote code for medical equipment allowing for more efficient patient scheduling & care, implemented in 7 hospitals.
- Improved functionality of a wireless camera designed for the elderly that notifies first responders when activated, resulting in ~125 online purchases within three months, using Java and Python face-recognition technology.

**ThinkTown**

**June - August 2019**

*WeChat App Developer Intern*

*Zhejiang, China*

- Helped design a WeChat mini-program storing problem sets for ~400 users, including sounds, visuals, and statistics. Linked the program to a website where teachers could add, edit, and revise questions in real time.

## PROJECTS (And Research)

**Deanonymization of Social Media**

**October 2019 - Present**

- Research methods to grant users with more privacy online and collect data of users wishing to remain anonymous.
- Work with 6 team members to simulate user profiles on other platforms using one existing profile.

**Jeweled**

**April - May 2019**

- Created a game using Java GUI similar to Candy Crush, where players entered a desired board size and design model.
- Each cleared row or column of squares gets marked and the number of moves made to mark every square is recorded.

**SafeBet**

**February 2019/2020**

- Developed an interactive mobile app storing information about different natural disasters to prepare for emergencies.
- Built a device that detected fires using sensors. Received the prize for *Best New Hacker* out of 53 teams nationwide.

**Runaway Alarm Clock**

**February - May 2018**

- Constructed an alarm clock with wheels that moved away from the user and nearby obstacles, using an Arduino Uno and side sensors. Designed and printed a functional 3D platform that carried the hardware.
- Programmed the wheels to rotate in the opposite direction of surrounding objects. Programmed LED lights to turn on and flash while the clock was running. Received the department prize for *Best Innovative Design*.

**The Googler**

**March - April 2018**

- Created a program using Java Tesseract OCR to Google search the answers of trivia questions being live-streamed.

## LEADERSHIP AND EXTRACURRICULARS

**FIJI Fraternity (Scholarship + Philanthropy Committee)** | Case Western Reserve University

**2019 - Present**

**Civic Engagement Scholar** | Case Western Reserve University

**2019 - Present**

**Spartan Ambassador** | Case Western Reserve University

**2018 - Present**

**Hacker's Society** | Case Western Reserve University

**2018 - Present**

**Club Tennis (Practice Manager)** | Case Western Reserve University

**2018 - Present**

**Residential Hall Assoc. (Community President)** | Case Western Reserve University

**2018 - 2019**

## AWARDS AND SKILLS

**Language Proficiencies:** English (Native); Mandarin Chinese (Native); Spanish (Proficient)

**Computer Proficiencies:** Java; Python; HTML; Matlab; XCode (Swift); Microsoft Office (Excel, Word, PPT)

**Received the President's Volunteer Service Award Gold Medal**