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   **Janaury 2020 -Present**
Teaching Assistant, Introduction to Data Structures   *Cleveland, Ohio*
- Hold weekly office hours and recitations to help students with homework assignments and to 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

Deanonymziation of Social Media   **October 2019 - Present**
- Research methods to give users more privacy online and ways to 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