Eddie Xu

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EDUCATION

Case Western Reserve University | *B.S. in Computer Science and Statistics*   **Cleveland, OH**
    *Cumulative GPA: **3.80/4.0***   *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 possible fires. 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 to improve efficiency. Programmed LED lights to turn on and flash while the clock was running. Received the department prize for *Best Design*.

The Googler   **March - April 2018**
- Created a program using Tesseract OCR to Google search the answers of trivia questions live-streamed on the phone.

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