

Eddie Xu

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EDUCATION

Case Western Reserve University | *B.S. in Computer Science and Statistics*
Cumulative GPA: 3.72/4.0

Cleveland, OH
Grad: May 2022

RELEVANT COURSEWORK

Programming in Matlab
Logic Design and Computer Org.
Discrete Mathematics

Programming in Java
Data Structures
Statistics for Signal Processing

WORK EXPERIENCE

B-Soft

Backend Software Engineer Intern

April - June 2019

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

WeChat App Developer Intern

June - August 2019

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

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.

CWRU Hackathon

February 2019

- Developed an interactive mobile app storing information about different natural disasters to prepare for emergencies.
- 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 quickly Google search the answers of trivia questions live-streamed through the smartphone.

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

HackCWRU (*Organizer*) | *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)

Placed 87th in the US Geography Olympiad and 62nd in the National Geography Bee

Received the President's Volunteer Service Award Gold Medal