

Zachary LeClaire

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Education

- **Case Western Reserve University (CWRU)**
 - B.S. Computer Science (4.0 GPA)
 - Minor: Mathematics
 - Relevant Coursework: Data Structures and Algorithms

August 2020 - May 2024

Work Experience

- **Tutor** *Math Tutor, June 2021 - Present*
 - Tutors K-12 students in math levels ranging from pre-algebra to Calculus

Extracurriculars

- **CWRU Rocket Team** *Systems Lead/Treasurer, August 2020 - Present*
 - Designed and programmed a virtual test environment and simulation software that accelerated development by about 6 months.
 - Implemented Autonomous guidance algorithms for the UAV-payload
- **San Ramon Valley High Robotics Team** *Software Lead, May 2018 - May 2020*
 - Built and maintained modular Java codebase and integrated version control practices into development process.
 - Led and trained team of 10 students in development of robotic software on tight six-week deadline.

Projects

- **Image-to-ASCII webapp** *Spring 2020*
 - Built web app that processes images to convert them to ASCII text patterns (Python, PHP)
- **Misinformation Detection** *Spring 2021*
 - Produced a web app that identifies recently posted tweets that contain misinformation (Python, MySQL)
 - Developed Python scripts to parse input data and communicate between components of the application.

Awards

- **CWRU Dean's High Honors** (Spring 2020-2021, awarded for fall and spring semester for good academic performance)
- **CS Student of Excellence** (2018, awarded to top CS students in contra costa county)

Skills

- Java, Python, MySQL, HTML/CSS/JS, C/C++