Charles Yao

650-307-8627 | cy2005932@gmail.com | linkedin.com/in/charles-yao-567ab4271

EDUCATION

University of California, Riverside Riverside, CA
B.S. in Computer Science Sep. 2023 – May 2026

Mills High School Millbrae, CA
High School Diploma Aug. 2019 – May 2023

EXPERIENCE

Research Assistant Feb. 2024 – Sep. Present
Zachariah Group, University of California Riverside, CA
- Performed image processing and data analysis on high speed microscopic videos
- Used Tensorflow and Matlab to derive and track specific characteristics, such as burn rate and formations

Teaching Assistant Jan. 2023 – Sep. 2023
KTByte Lexington, MA
- Hosted help hours and taught students Java
- Collaborated with students to help them learn OOP principles and fundamentals

Robotics Team Captain Sep. 2022 – May 2023
Mills High School Millbrae, California
- Led robot design and CAD (through Onshape/Solidworks)
- Programmed robot functions in Java using WPILib

PROJECTS

Kaggle Competitions | *Python, Tensorflow* June 2023 – Present
- Solved ML problems such as image classification, time-series, etc with Tensorflow
- Built pipelines and preprocessed data

Rose Hackathon | *Python, Tensorflow* Jan. 2024 - Present
- Classified 10 types of bone fractures with a CNN

TECHNICAL SKILLS

Languages: Java, Python, C++ , Matlab, Latex
Frameworks: Tensorflow, Scikit-learn
Developer Tools: Juptyer Notebooks , Google Collab, VS Code
Libraries: pandas, NumPy, Matplotlib