



Charles Zhu

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LINKS

- www.charleszhu.me
- www.github.com/caz07
- www.interacttutors.com

PROFESSIONAL SUMMARY

Enthusiastic computer science student eager to gain real-world software development experience. Proficient in Java, Python, full-stack web development, and machine learning.

WORK HISTORY

RESEARCH INTERN

06/2021 to 09/2021

Pioneer Academics | Cupertino, CA

- Completed a research project under Professor Sebastiaan Joosten from Dartmouth College to find most effective chess openings for different ratings using Stockfish engine and Lichess database
- Authored 20-page research paper demonstrating findings

RESEARCH INTERN

06/2021 to 08/2021

Aspiring Scholars Directed Research Program | Cupertino, CA

- Performed time-series analysis under mentorship of Samuel Fendell to evaluate effectiveness of Twitter sentiment at predicting stock prices
- Pre-processed and analyzed datasets from 2015 to 2020 containing S&P 500 stock prices and tweets concerning NASDAQ companies

WEB DEVELOPMENT OFFICER

08/2020 to 06/2022

Monta Vista Interact | Cupertino, CA

- Designed, developed, and deployed a full-stack tutoring website to connect high school tutors with younger students
- Automated application process and handled tutee requests
- 30+ tutors and 350+ total hours tutored

SKILLS

- | | |
|--------------|--------------------|
| • HTML/CSS | • Flask |
| • JavaScript | • SQL |
| • Python | • Java |
| • Bootstrap | • Machine Learning |
| • React.js | • PyTorch |

EDUCATION

Bachelor of Science | Computer Science

EXPECTED IN 06/2026

University of California - Los Angeles, Los Angeles, CA

High School Diploma

06/2022

Monta Vista High School, Cupertino, CA