

Alex Zhao

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Education

UC Santa Barbara • *Electrical Engineering*

Santa Barbara, CA

Aragon High School • GPA: 4.3, Valedictorian

San Mateo, CA

Notable Courses: Calculus Multivariable Honors, AP Computer Science A, AP Physics C

May 2025

Experience

Quo Labs

San Francisco

Software Engineer • (Contracted)

July 2025 – September 2025

- Architected the main robot architecture for [SAM](#), a differential-drive robot with various sensors
- Built parts of the main robot code using ROS2 in Python
- Added integrations from various ROS2 packages to SAM's code

Aragon Robotics, FIRST Robotics Competition Team 840

San Mateo

Strategy Lead, Vice Software Lead

May 2024 – May 2025

Programming Member

September 2021 – April 2024

- Developed competition code for multiple robots in Java
- Mentored incoming robotics students in programming and basic electrical skills
- Created documentation to assist future generations of programmers
- Collaborated with designers on robot architecture and functionality
- Planned and executed strategies to maximize scoring potential of each robot

Alphastar

San Jose

Math Problem Writer

December 2023

- Worked with other high school students to author 6 exams for math competitions

Foster City Parks and Recreation

Foster City

Camp Counselor

May 2022 – August 2022

- Created and facilitated daily activities for 35 campers aged 7-10
- Described rules and dynamics of activities to ensure comprehension by all campers
- Managed behavior of campers to ensure a fun and happy environment

Skills & Interests

Technical: Python, L^AT_EX

Interests: Math, Chess, Programming, Reading, Adventuring

Achievements and Honors

- AIME Qualifier (2023, 2024, 2025)
- Eagle Scout
- UCSB ACM Bot Poker Tournament Champion



Figura 1: A few of my loyal stuffed animals