

Alex Zhao

Santa Barbara, CA, 93106 • alexzhao389@gmail.com • (650) 750-6963 • [Github](#)

Education

UC Santa Barbara • GPA: 4.0

Major: *Electrical Engineering*

Santa Barbara, CA

Expected Graduation Date: *June 2029*

Aragon High School • GPA: 4.3, Valedictorian

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

San Mateo, CA

May 2025

Experience

Quo Labs

Software Engineer (Contracted)

San Francisco, CA

Summer 2025 – Fall 2025

- Architected software for [SAM](#), a differential-drive robot
- Used ROS2 and Nav2 Python packages to integrate autonomous movement planning into SAM
- Helped code, troubleshoot, and deploy vision capabilities onto SAM

Aragon Robotics, FIRST Robotics Competition Team 840

San Mateo, CA

Strategy Lead, Vice Software Lead

May 2024 – May 2025

Programming Member

September 2021 – April 2024

- Developed competition code for multiple robots in Java
- Collaborated with designers on robot architecture and functionality
- Planned and executed strategies to maximize scoring potential of each robot
- Mentored incoming robotics students in programming and basic electrical skills
- Set up and wrote in-house FRC programming and strategy documentation to help future robotics members

Alphastar

San Jose, CA

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, CA

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

Skills: Python, L^AT_EX, Java, C++

Interests: Adventuring, Reading/Blogging, Math, Programming | AI, NLP, PCB Design, Chess

Achievements and Honors

- 2025 [PAIR](#) Cohort
- AIME Qualifier (2023, 2024, 2025)
- Eagle Scout
- UCSB ACM Poker Bot Tournament Champion
- Aragon High School Math Department Best Student



Figura 1: My loyal group of stuffed animals