

# Oliver Chang

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## Education

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**Fremont High School, Sunnyvale, CA**

Class of 2024

*Activities:* Wrestling, Baseball, Japanese Club, NHS, FIRST Robotics, LINK Crew

*Awards:* Principal's Honor Award, National Merit Commended Scholar (UW GPA: 4.00 | SAT: 1510)

## Work Experience

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**Boy Scouts of America Summer Camp Staff**

June-July 2022, 2023, 2024

*Kitchen Staff, Aquatics Staff, Handicraft Director*

- Experience in industrial kitchen, cooking meals for 300 campers
- Curated & taught custom hiking stick projects, inc leatherworking & simple woodworking skills

## Extracurricular Activities

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**Fremont High Robotics, FHS**

2020 - Present

*Firebots FRC 3501 - VP Design*

- Trained incoming team on Onshape CAD Software and FRC tools/techniques
- Lead the design of Serrano, our competition robot for the 2024 FIRST Robotics Competition Game. The first iteration was designed within the first 2 weeks of build season, with an overhaul of the intake and flywheels after our first competition. Top 15% of all teams in the world
- Coordinate with mechanical to create industry-standard drawings
- Redesign school workshop by designing, financing, and building 13 custom tables and overhauled of tool and machine organization to streamline work processes

*Sparkbots FTC 15632*

- Won 1st and 2nd in First Tech Challenge (FTC) tournaments, Voted team MVP
- Designed and consistently updated engineering portfolio, 2x Think Awards for Design

*Business and Media (BaM) Team - Business Lead*

- Led a team to apply for 15+ grants, built grant writing system ground-up and budgeted expenses
- Represented all 70 members as presenter for the Impact award & video
- Lead 35+ outreach events with local schools and organizations
- Created unique lesson plans to introduce STEAM to elementary school students, now taught to 500+ students across 6 local elementary school after-school programs

*Volunteer, FIRST Robotics Events*

- Volunteered at 10+ FIRST robotics competitions and events, including as Robot Design Judge at FLL Champs & Field Reset, Pit Admin, Practice Field Attendant, Queuer at FRC competitions.

**National Honor Society, FHS**

2020 - Present

*Treasurer, President*

- Raised 2000+ lbs clothing in goodwill drive, created 200 hygiene kits, and made 300 dog toys for Humane Society of Silicon Valley, assisted local food donation services with drives and packaging
- Coordinate student volunteers for school's peer tutoring service Students for Success

## Honors/Awards

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*Dean's List Semifinalist, FIRST Robotics*

*Eagle Scout, 5 Palms, Scouts BSA:* Designed and built an equipment shed for Sunnyvale Little League with over 270 volunteer hours and 6 months of construction due to COVID-19 delays. 40+ merit badges

## Skills

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Onshape, Solidworks, Fusion 360, Canva, Python, Java, Arduino, Carpentry