

Claire Chang Xu

Los Altos, CA

HIGHLIGHTS

- Junior high school student. A STEM and robotics enthusiast and a maker.
- Team captain in the FIRST Robotics Competition and two-time highest award winner of the Bay Area Tech Challenge.
- Intern and summer experience: UI/UX design for games using Figma (Kyros); Create AI agents (Stanford); product design summer program (Wharton)
- Proficient in Java and CAD programs such as Solidworks and Fusion 360
- A frequent volunteer at the American Cancer Society Discovery Store and Second Harvest
- The first violinist in the school orchestra; a productive artist (sketches, artifacts, and digital art)

EDUCATION

WOODSIDE PRIORY SCHOOL, Portola Valley, CA | Graduation: 2026

- **GPA:** Weighted 4.23 out of 4 (by Grade 10)
- **APs/Honors:** AP Computer Science A, AP Calculus AB, AP Chinese, AP Physics Honors, Biology Honors, AP Economics, AP Calculus BC, AP Environmental Science, Algorithms, Chemistry Honors
- **Future APs and Honors:** Artificial Intelligence, AP Physics C, AP Statistics, Linear Algebra

INTERN & SUMMER EXPERIENCE

Wharton Global Youth Program, Product Design Academy, Philadelphia, PA

July 7-27, 2024 Grade 11

- Successfully conceptualized, built, and presented a product that ranked among the top 6 out of 45+ entries.
- Conducted comprehensive user research and integrated human-centric design principles to ensure user satisfaction and product relevance.
- Utilized CAD software to create detailed designs and developed physical prototypes to rigorously test, validate, and enhance the product.

Kyros.ai Industry Immersion Program “Create AI Agents”, Palo Alto, CA

June 24 - July 25, 2024 Grade 11

- Gained a strong foundation in the fundamental concepts of generative AI and its applications.
- Created an AI agent for designing balanced board games, which earned the “Most Creative” Award.

Kyros.ai Internship

June 18 - Aug 4, 2022 Grade 9

Position: UI/UX Design Intern for Gamification of a College Application Platform

- Led a team of four to design UI/UX enhancements for Kyros.ai, an AI-assisted college applications platform. Key updates included a task-for-award gamification system and a platform-wide ranking dashboard.
- Utilized Figma to develop high-definition design mockups
- Presented the final designs to the engineering and management teams

AWARDS

The Bay Area Tech Challenge, 2019 and 2020

<https://www.thetech.org/education/the-tech-challenge/>

- Outstanding Overall Award Winner in 2020, the highest award among ~150 teams
 - Role: founder, team leader, and key engineer in the 6-member team
 - Project: A three-month afterschool project in building a rocket shooting mechanism and landing apparatus covering the highest area and volume
- Outstanding Overall Award Winner in 2019, the highest award among ~150 teams
 - Role: team leader and key engineer in a 4-member all-girl team
 - Project: A three-month afterschool project in building a hovercraft that passes three types of terrain

The Congressional Award for Volunteer and Community Service, 2023

- Bronze Certificate, working towards Silver Metal (in June 2025)

National Art Competition organized by the Chinese Academy of Art, 2022

- Color sketch work, “Sailing”, won the First Class Prize in the middle-school group

Stanford MUN (SMUNC), 2024

- Service Award

Priory MUN, 2023

- Outstanding Delegate

EXTRACURRICULAR ACTIVITIES

Robotics Club, FIRST Robotics Competition

Grade 9, 10, 11

Position: Captain

- **Team Leadership:** Manages student relations, guides and instructs new members, and oversees team scheduling and project tracking.
- **Technical Expertise:** Serves as Head of Drivetrain, proficient in CAD and machining, and a key contributor to robot design, management, and strategy during competitions.
- **Advocacy and Inclusion:** Promoted female participation, increasing the number of female members from two to nine and achieving a 40:60 female-to-male ratio as Vice-Captain.
- **Competitions:** Designs, fabricates, and programs robots from scratch annually, enabling them to drive, complete projects, and shoot into targeted hoops for regional competitions involving 40-60 high school teams.
- **Recognition and Progression:** Elected Vice-Captain in Grade 9 for exceptional productivity, skills, and teamwork, and promoted to Captain in Grade 10 based on consistently high performance.

Model United Nations

Grade 9, 10, 11

- Participated in Stanford MUN (SMUNC) as Chester Bowles/Jose Alfredo 'Pepe' Perez San Roman in the Cuban Missile Crisis Committee and the Committee got the Service Award
- Participated in Stanford MUN (SMUNC) as the country Turkey in the Legal Committee and received a Verbal Commendation, 2023
- Participated in Santa Clara Valley Model United Nations (SCVMUN) as the country Argentina in the Commission on the Status of Women (CSW) Committee, 2023
- Participated in three school-hosted MUN Conferences and received the Outstanding Delegate award.

Art

Grade 1-11

- Won the First-Class prize, with color sketching work "Sailing," in the middle-school group of the national art competition organized by the Chinese Academy of Art, in 2022

- Received formal drawing and sketching training for 9+ years
- Proficient in making artwork using various mediums such as graphite, charcoal, oil, acrylic, watercolor, digital, CAD, and glass

Violin

Grade 1-11

- First violin of the school orchestra, Grade 6-11
- Played in 50+ concerts for school and community

Sports

Grade 1-10

- Volleyball, Junior Varsity team, Grade 9-10
- Lacrosse, Grade 7-8, Won the Athletic Award, the “Most Improved Player”, 2021-2022
- Competitive Swimming, in Menlo Swim, PASA Foothill, and Ladera Oaks swimming teams, Grade 1-6

Volunteer & Community Service

American Cancer Society Discovery Store, Los Altos, 2023-2024

Hours: 45

- Sorting, organizing, and processing donated clothes and home goods for resale to benefit cancer patients

Second Harvest Food Bank, San Jose, 2022-2024

Hours: 30

- Sorting, labeling, and repacking food items at their distribution center for program recipients
- Distributing food items to communities

Environment Protection and Park Cleaning, 2022

Hours: 6

- Cleaning and landscaping in the national park, Redwood Grove Nature Preserve

SKILLS

Design

- Quick UI/UX Design for low fidelity and high definition prototyping with Figma
- 3D modeling and design, proficient with CAD applications such as Solidworks, Fusion 360

Programming

- Proficient with Java and Python

Language

- English: Native language
- Mandarin: Proficient in speaking, translating, reading, and writing