

**Chloe Low**

6387 Wisteria Way, San Jose, CA 95129

(669) 212-0649

low\_chloe@icloud.com

**Education**

California Polytechnic State University, San Luis Obispo - B.S. Computer Science (Expected 2028)

Lynbrook High School, Class of 2025 (3.97 Unweighted GPA)

**AP Courses and Tests**

- AP Calc BC - Score received is a 5 (July 2024)
- AP Chemistry - Score received is a 5 (July 2024)
- AP Computer Science A - Score received is a 4 (July 2024)
- AP Computer Science Principles - Score received is a 5 (July 2024)
- AP Music Theory – Score received is a 4 (July 2024)
- AP Statistics - Score received is a 5 (July 2025)
- AP Physics C: Mech - Score received is a 4 (July 2025)
- AP Government & Politics - Score received is a 4 (July 2025)

**De Anza College**

- Java Programming - A
- Swift Programming - A

**UC Scout**

- AP Music Theory - A
- AP Computer Science Principles - A

**Awards**

- Lynbrook High School Red, White, Blue Award for Collaboration (2024)
- AP Scholar with Distinction (2024)
- 3rd at Spotlight Nationals - Competitive Dancer in Hip-Hop (2023)
- Certificate of Merit Piano Exam Level 10 w/ State Honor (2022)

**Extracurricular Activities**

**Engineering Possibilities Summer Camp at Calpoly (2024)**

- Designed a fluid dynamic experiment to compare the actual retraction velocity of soap film to the predicted velocity. Explored sustainable energy and researched circuits with solar panels.

**Inspirit AI Scholars Program (2023)**

- Formulated an AI machine learning program that recommends music to users using machine learning algorithms under the guidance of Ivy League graduates.
- Applied neural networks, logistic regressions, sentiment analysis to creating software that can determine if a puppy is in front of a self-driving car, diagnose cancer cells as malignant or benign, or quantify opinions based on Yelp reviews.

#### Kode With Klossy Summer Camp (2023)

- Collaborated with peers in all-girls coding camp to program app translating between English & ASL, breaking communication barriers and increasing accessibility to learn ASL. Attended speaker sessions to learn from Engineering Director at Snap Inc about experience of being a woman in STEM. Kept in contact w/ peers to expand app features.

#### Arcus Bioscience

- Shadowed lead director of Lead Discovery and Optimization at Arcus Bioscience as well as 4 members of different departments to see what the job entails & their specializations in the path to curing cancer. Learned about process of manufacturing the protein in drugs that cure cancer, including research, effectiveness, crystallization, & duplication.

#### Lynbrook High School Orchestra (2021 - Present)

- Selected to play in California Orchestra Directors Association's Honor Symphony Orchestra at Stanford University under the direction of Paul Phillips as co-assistant of 2nd violins (2023)
- Participated in the Carnegie Hall, New York tour as 3rd chair of 1st violins (2024)
- Led the 1st violin section as Assistant Principal of Chamber Orchestra as well as oversaw the 2nd violins as section leader in String Orchestra, performing various genres of music ranging from classical, contemporary, and jazz at concerts such as the California Music Educators Association Festival. (2021 - Present)

#### Women in STEM Club (2021 - Present)

- Presented to 20+ club members on modern-day advances in the STEM field.
- Volunteered at a Rose Garden Branch Library event, creating STEM projects and explaining the science to over 10+ kids.

#### California Scholarship Federation Club (2022 - Present)

- Contributed 50+ hours guiding 20+ 2nd-3rd graders from the John Muir Elementary Chinese Immersion program with their homework after school.
- Partook in 3 chapter projects to donate arts and crafts to hospital patients.

#### Golden State Youth Orchestra (2018 - Present)

- Played in the Bay Area Youth Orchestra at San Francisco Davies Hall, led by the San Francisco Symphony, San Diego Symphony, and the Los Angeles Philharmonic. (2024)
- Participated in the yearly week-long retreat for Senior Symphony at the University of Santa Cruz, studying music at the music center in preparation for the upcoming season. (2022 - 2024 (upcoming))
- Performed in prestigious venues during the France and Barcelona tour. (2024)
- Led the Senior Symphony in performing professional repertoire as 2nd violin co-lead (2022-2023), 1st violinist (2023-2024), and 1st violin Assistant Principal (2024-2025) accompanying professional violinists such as David Kim, concertmaster of the Philadelphia Orchestra with weekly practices.