

JESSICA NG

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EDUCATION

University of California, Berkeley

Intended: Bachelor of Arts in Computer Science

May 2026

GPA: 4.0

Menlo-Atherton High School

High School Diploma

1540 SAT (99th %ile)

June 2022

GPA: 4.5 W/ 4.0 UW

Advanced Placement (AP) coursework: 5/5 score on 11 exams (Physics: Mechanics, Literature, Language & Composition, Biology, Calculus BC, Calculus AB, Computer Science A, US History, European History), earned AP Scholar with Distinction

HONORS AND AWARDS

Jun. 2022 | Departmental Award for Physical Science

- Highest recognition for performance in physics, given to 1 student out of a class of 570

Mar. 2022 | National Merit Finalist

- Earned top 1% SAT score to become a finalist, only top 3% of my high school qualified

Mar. 2022 | InspirASIAN National Scholar

- Top 6% of 500+ nation-wide applicants to receive this \$2000 scholarship

Mar. 2022 | UC Berkeley SEED Scholarship Nominee

- One of 300 out of 120,000 applicants invited to compete for UC Berkeley's SEED scholarship

Mar. 2022 | F=ma Physics Contest, 3rd Place

- Scored the third highest in high school out of invitees for the national F=ma Contest

Feb. 2022 | Silicon Valley Realtors Scholarship Nominee

- 1 of 3 students in graduating class (top 0.5%) nominated for exemplary academic records and community involvement

2019, 20, 21 | 3x Gold, Silver, and Bronze President's Volunteer Service Award

- Completed 500+ hours of community service through the Peninsula Bridge Program

SKILLS

- Proficient in Python, Java, Scheme, Sequel, HTML, CSS, and Javascript

PROJECTS

CalSol (UC Berkeley Solar Vehicle Team)

August 2022-Present

- Designed a test solar panel array for the top shell of our team's solar vehicle to abide by racing regulation requirements such as solar cell area
- Wrote a mock Vehicle Design Report to send to solar cell manufacturers

Meal Planning Website

November 2022

- Worked with APIs to code a website that generates meal suggestions based on preferred ingredients and allows users to 'like' their favorite meals and track necessary ingredients

National History Day Regional Qualifier

April 2021

- Designed a website that fit an annual theme and presented a well-analyzed historical topic, 1 of 3 website submissions to be selected for the regional competition in the most competitive category

LEADERSHIP

Founder and President, F=ma Physics Club

August 2021-June 2022

- Rallied and prepared a 10-person team to participate in the USA Physics Olympiad Qualification Exam
- Led weekly review sessions, developed comprehensive concept guides, and created problem sets

Head Organizer, Physics Peer Tutoring Program

August 2021-June 2022

- Launched a after-school tutoring program of 8 mentors that tutored up to 40 AP Physics students per session 5x per week
- Collaborated on a video to increase racial and gender diversity in the AP science department

Co-president, National Honor Society

August 2021-June 2022

- Elected to position, nominated by teachers based on academic performance and community involvement, led weekly meetings, in charge of creating, maintaining, and distributing master document of local volunteer opportunities for members

WORK EXPERIENCE / VOLUNTEERISM

Teacher's Assistant and Peer Mentor, Peninsula Bridge

Summers of 2019-2021

- Dedicated 30 hrs/wk to mentoring middle schoolers from low-income backgrounds in math and ELA
- Taught mini-lessons, led socratic seminars, and created original lesson plans for elective classes
- Head organizer of the 2021 graduation ceremony, collaborated on event schedule and goodbye video

Gymnastics coach, Peninsula Gymnastics

August 2019-August 2022

- Trained girls ages 10-12 in classes of 10 gymnasts to master required skills for each level