

Amanda Zhang

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EDUCATION

University of California, Berkeley

Bachelor of Science in Electrical Engineering & Computer Science

Relevant Coursework:

- CS 61A/B - Introduction to Computer Programs & Data Structures
- EECS 16B - Introduction to Circuits & Devices
- EECS 16A - Linear Algebra; Math 53 - Multivariable Calculus

May 2028

GPA: 3.466

Student Organizations: Computer Science Mentors, IEEE, Society of Women Engineers, Cal Hiking & Outdoors Society

Mountain View High School, Mountain View, CA

Burwen Scholar (top 10 GPA)

June 2024

Academic GPA: 4.74 (W), 3.93 (UW)

WORK EXPERIENCE

Space Cookies, FIRST Robotics Team & Girl Scouts Troop

Software Captain

August 2020 – June 2024

- Led software subteam of 20 girls to program robot autonomous, code framework, and controls systems.
- Managed projects and communicated with team members and mentors using Github Projects, Gantt charts, and daily debrief meetings to divide tasks among team members.
- Built and taught a 10-week workshop to introduce new members to Java, safety/logistics of coding robots, and how to independently contribute to our codebase.

UC Berkeley Hybrid Robotics Lab

Research Intern with Professor Koushil Sreenath

June 2023 – August 2023

- Researched the impact of environmental parameters in sim-to-real transfers for robotic quadrupedal motion.
- Studied reinforcement learning concepts to apply Proportional-Derivative control to compute robot movement.

TEACHING & INVOLVEMENT

Computer Science Mentor

CS 61A Junior Mentor

January 2025 – Current

- Teach weekly CS 61A section to four students as part of a student-run computer science mentoring organization.
- Effectively explain material on structure and interpretation of computer programs through mini-lectures, example problems, guiding questions, and facilitating group collaboration among students.

Girls Who Code Club

President

September 2020 – June 2024

- Organized and hosted 2024 schoolwide Artificial Intelligence in Career Fields Panel with 4 speakers presenting to over 200 attendees.
- Taught 60 high school students web and game development through personal and group projects.
- Established and led Girls Who Code chapters with adapted curriculum at 2 local middle schools.

SKILLS

Computer Science: Python, Java, Github, Git

Electrical Engineering: Circuit analysis, Control systems, Breadboarding/wiring, Soldering

Communication: Leading meetings, planning long-term projects, overseeing large events, teaching, marketing and outreach

Photo/Video Editing: Adobe Premiere Pro, Adobe Lightroom, iMovie, Canva

Language: Mandarin-Chinese