Samantha Flores

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INTRODUCTION

Oakland raised. Highly interested in robotics and creating a space for women of color to prosper in STEM. A first-gen engineering student at UC Berkeley studying Electrical Engineering and Computer Science.

SKILLS

Java| JavaScript |HTML |CSS |SQL| XML|Python|REACT|C++ |iOS |Android | Bilingual English/Spanish
CAD|Education

MAJOR ACHIEVEMENTS

Berkeley National Laboratory *Student Assistant*| Berkeley, CA | 2023 - Present
During the summer of 2023, I worked with K-12 students, facilitating and leading engineering projects involving Arduino and CAD, and teaching them coding skills.

RoboBears *President*| Berkeley, CA | 2021 - Present
A highly selective club at the University of California, Berkeley. Design and build combat robots and compete nationwide. As a club member, I have developed skills in metal shop, CAD, and Fusion.
My role as President involves interacting with and creating a curriculum that enables students to gain hands-on experience in robotics by guiding them through the design process and manufacturing their robots.

IMentor Bay Area *Mentee* | Oakland, CA | 2019 - Present
Partnered with a mentor to build a successful post-secondary plan in alignment with my career and professional development.

Google's Computer Science Summer Institute *Student* | Virtual | 2021
A highly competitive program consists of a four-week course designed to help transition students into the first year of college in pathways toward technology careers. Learned Java and web development, which prepared me for college-level courses. Worked on creating websites using Google Firebase to collect user data.

Code Next Oakland by Google *Member* | Oakland, CA | 2017 - 2021
A highly selective program that works with Black and Latinx high schoolers to educate them on careers in STEM. Learned various programming languages, App/Web development, Circuit design, UX Design, and Robotics.
Key Accomplishments: Robotics Competition Finalist as a 3lb self-driven car that navigated an obstacle course.

Google Code Next Hackathon, *2nd Place Winner*, Save H20 | 2019
The topic of the hackathon was Environmental Sustainability. As a team of four, we created a website that connected users to local beach clean-up sites and links to environmentally friendly companies.
Live site: https://waiting-fuschia-polo.glitch.me Code: https://glitch.com/edit/#!/waiting-fuschia-polo

EDUCATION

The University of California, Berkeley| Expected Graduation: June 2025
Major: Electrical Engineering and Computer Science

Aspire Lionel Wilson College Preparatory Academy Class of 2021

Student Government | 2020- 2021
Vice President | Oakland, CA

BUILD | 2017- 2021
Design Challenge Participant | Oakland, CA

Peralta Community College District|Student 2018- 2021
Took the initiative to take dual enrollment in community college as a high school student.

Academic Talent Development Program at UC Berkeley |Student 2018
A four-week course program in Advanced Biotechnology encourages youth to explore potential careers. Learned molecular biology laboratory techniques, including DNA extractions, gel electrophoresis, and more.