Roshni Vakil

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EDUCATION

California Polytechnic State University, San Luis Obispo   September 2020 – Present
Bachelor of Science, Computer Science, 4.0 GPA

Dublin High School   August 2016 – May 2020
Dublin Engineering and Design Academy Member, 4.22 GPA
PLTW engineering/computer science courses; mentorship program in 11th grade; National Merit Finalist

RELEVANT COURSEWORK

Fundamentals of Computer Science   Technical Writing for Engineers
Introduction to Computing   Public Speaking
Calculus I, II, III   Introduction to Drawing

RELEVANT EXPERIENCE/PROJECTS

Cal Poly Society of Women Engineers, *Team Tech Subgroup Leader* (December 2020 – Present) - Organize and lead weekly electrical engineering subgroup meetings; interface between Team Tech Board and subgroup to ensure that electrical engineering system being designed and its corresponding deliverables for industry sponsor, Mazzetti, are completed in a timely manner and in a way that works with other subgroups

Cal Poly Society of Women Engineers, *Freshman Representative* (December 2020 – Present) - Rotate through, observe, and aid core committees; plan and host a bonding event for all members

Dublin High Robotics Club, *Team 5327V Member* (September 2019 – March 2020) - Season Cut Short Due to COVID-19

Dublin High Robotics Club, *Team 5327R Member* (September 2018 – May 2019) **-** Competed in 2019 VEX World Championship; served as builder who aided in design phase and head programmer who programmed user control and autonomous functions; mentored incoming robotics club members

Dublin High Robotics Club, *Team 5327C Member* (September 2017 – May 2018) - Competed in 2018 VEX World Championship; served as builder who constructed assigned designs and tweaked them as needed; tested motor and sensor functionality via code

Dublin High Robotics Club, *Team 5327A Member* (September 2016 – May 2017) - Competed in 2017 VEX California State Championship; served as builder who constructed assigned designs

Dublin High Girls Who Code Club, *President* (September 2019 – March 2020) - Oversaw designing activities to teach web development to 9th-12th graders; headed bi-weekly club meetings where activities and lessons took place

Dublin High Girls Who Code Club, *Event Director* (September 2018 – March 2019) - Helped teach web development during bi-weekly meetings to 9th-12th graders; helped organize and run workshops during a promotional hackathon for 6th-9th graders

PROGRAMMING SKILLS - Java, HTML & CSS, Python, p5.js

WORK EXPERIENCE/VOLUNTEERING

Kennedy Library - Cal Poly SLO, *Research Assistance Technician* (January 2021 – Present) - Training to virtually aid students in searching school library databases for research materials

Open Heart Kitchen - Pleasanton, CA, *Volunteer* (Jan 2019 – September 2019) - Prepared food for local seniors, veterans and homeless at Ridgewood Commons Senior Center and Valor Crossing

Fertile Groundworks (Garden of Grace) - Livermore, CA, *Volunteer* (February 2018 – April 2018) - Worked at a community garden devoted to growing food for local seniors, veterans, and homeless