

# Roshni Vakil

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## EDUCATION

**California Polytechnic State University, San Luis Obispo**  
Bachelor of Science, Computer Science, 3.91 GPA

September 2020 – Present

**Dublin High School**

Dublin Engineering and Design Academy Member, 4.22 GPA  
PLTW engineering/computer science courses; mentorship program in 11th grade

August 2016 – May 2020

## RELEVANT COURSEWORK

Currently Taking: Data Structures  
Fundamentals of Computer Science  
Calculus I, II, III

Currently Taking: Linear Analysis  
Technical Writing for Engineers  
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 and software engineering systems being designed and their 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 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 basic 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 basic 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** – Python, Java, HTML & CSS, 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