

# Roshni Vakil

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Detail-Oriented Female Engineer Eager to Push the Boundaries of STEM and Make a Positive Difference in This World

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## EDUCATION / ACADEMIC ACHIEVEMENTS

### Notable Classes -- Dublin High School, Dublin, CA

AUGUST 2017 - PRESENT

Freshman Year: PLTW Computer Science/Software Engineering, Trig/Precalculus, Advanced English 1

Sophomore Year: PLTW Principles of Engineering, AP Statistics, Honors Chemistry, Advanced English 2

**Cumulative High School GPA:** 4.33

**College of Interest:** UC Berkeley

**Program of Study:** Computer Software Engineering

### Engineering Academy, Dublin High School

MARCH 2017 - PRESENT

Was selected, along with 25 other students, to be part of Dublin High School's Engineering Academy 2020 Cohort for Computer Science

## CLUBS/EXTRACURRICULAR ACTIVITIES

### Gael Force Robotics, Dublin High

SEPTEMBER 2017 - PRESENT

- Freshman Year: Team 5327A (Development Team)
  - Placed 24th out of 36 Teams at State Championships
- Sophomore Year: Began in 5327D (Development Team) but transferred over to 5327C after a month long internship. As an official member of 5327C:
  - Tournament Semi Finalists at 2018 California VRC High School State Championship (Northern California)

## SKILLS

Proficient in Spanish, Proficient in Programming Languages: HTML & CSS, Python, Javascript, Command Line; Logical Thinker

## VOLUNTEER EXPERIENCE

### Fertile Groundworks -- Livermore, CA

FEBRUARY 2018 - PRESENT

- Volunteer at this community garden devoted to growing food for the homeless almost every Saturday morning
  - Oversee other volunteers who assigned to pulling weeds

## AWARDS

### 2017 Alameda County Science Fair

- Designed a device that effectively filtered acid rain
  - Goal was to prove that acid rain can be a useful water source if properly and efficiently neutralized
- Received 3rd place for the high school section, category MENG (Mechanical Engineering and Instruments)

### Placed Third for our Water Alarm in One of Our Engineering Classes and Advanced to Participate in the 2017 DHS Entrepreneurship Competition Showcase

- Designed and programmed an arduino that was able to recognize a water faucet being on for an extensive period of time and make loud noises to alert anyone in the vicinity of the wastage