Vikas Ummadisetty

An independent and self-motivated student with relevant skills seeking to grow my knowledge of engineering.

4814 Hibernia Dr
Dublin, CA 94568
(925) 999-9369
ummadisettyvikas@gmail.com

WORK/VOLUNTEER EXPERIENCE

Galaxy Explorer Elite, Chabot Space and Science Center— *Museum Volunteer*

JUNE 2019 - PRESENT

Led interactive science demonstrations for public visitors to present abstract concepts in an understandable and engaging manner

KUMON Math and Reading Center, 4554 B Dublin Blvd, Dublin CA— *Primary Instructor*

JUNE 2016 - SEPTEMBER 2018

Tutored new students and provided immediate feedback in literature analysis and higher–level mathematics.

MATHCOUNTS, Fallon Middle School— *Mathematics Instructor*

SEPTEMBER 2017 - PRESENT

Guided a group of 25 middle school students through two successful seasons of competitive Math Counts. Converted complex concepts into an understandable lecture.

UC Davis COSMOS — *Student Engineer*

JUNE 2018 - AUGUST 2018

Modelled stochastic behavior of molecular motion of biological systems. Worked with a team to engineer an autonomous robot which produced three dimensional reconstructions using computer vision and dense point clouds.

EDUCATION

Dublin High School, 8151 Village Pkwy, Dublin, CA— *Student*

AUGUST 2017 - JUNE 2021

Cumulative GPA: 4.47

- AP Computer Science A
- AP Calculus AB
- AP Statistics
- AP Biology
- AP Chemistry

SKILLS

Python (proficient)
C++ (proficient),
Linux (proficient)
English (proficient)
Spanish (intermediate)
VEX Robotics
Competitive Programming

AWARDS

- **VEX California State Championship Semi–Finalist, 2018 - Team 5327X**
- **VEX California State Championship Design Award, 2019 – Team 5327R**
- **VEX High School World Championship Qualifier, 2018-2020 (Team 5327X, 5327R, 5327V)**
- **Science Olympiad Regional Gold Medalist - Mousetrap Vehicle, 2019**
- **Science Olympiad Bay Area 3rd Place Team and State Qualifier, 2020**
- **VEX #2 Skills Ranking CA (#60 in world), 2020**
- **Alameda County Science Fair 1st Place in Biological Sciences Category, 2020**

ACTIVITIES/SOCIETIES

Co-Founder of Dublin Science Olympiad — *Vice President*

2018 - PRESENT

Facilitated build based events, including Mousetrap Vehicle, Boomilever, and Wright Stuff

Gael Force Robotics: 5327V— *Team Captain/Lead Programmer*

2017 - PRESENT

Programmed robotics in C++ with PROS API on VEX V5 Platform

Gael Force Cyber Patriot Team— *Linux Specialist*

2017 - PRESENT

Used Linux scripts to harden and secure vulnerabilities in Ubuntu and Debian–based operating systems.