

Sidhant Mathur

Career Objective

Respectful, mature, and responsible high school student with experience in STEM-oriented projects looking to leverage independent abilities in exchange for a relevant position in a STEM-based environment

Experience

theCoderSchool, San Ramon, CA

October 2022 – Present

Senior Code Coach

- Strategically plan and execute lessons designed to inform students of programming applications and methods
- Developed structural programs for student projects such as data management systems and websites
- Assess student learning rates and styles to tailor lessons for maximum effectiveness

Gael Force Robotics, Dublin, CA

October 2020 – Present

Programmer / Build & Design Lead

- Apply mathematical concepts to programming to ensure high-performing robot movements
- Correct errors by making appropriate changes and rechecking the program to ensure that the desired results are produced.
- Develop various algorithms for both autonomous and driver control
- Design and construct multiple mechanisms for competitive usage
- Qualified for 2021-2022 World Championship with 5327S

Independent, Dublin, CA

May 2020 – August 2020

Tutor

- Collaborate with students, parents, teachers, school administrators, or counselors to determine student needs, develop tutoring plans, or assess student progress.
- Provide private instruction to individual or small groups of students to improve academic performance, improve occupational skills, or prepare for educational or occupational tests.
- Review class material with students by discussing text, solving problems, or reviewing worksheets or other assignments.

Education

Dublin High School, Dublin, California

August 2020 – May 2024

High School, 4.33 Cumulative GPA

AP Computer Science, AP Calculus AB, AP Statistics, AP Chemistry, AP English Language & Composition, AP Environmental Science, AP European History, Honors Principles of Engineering, Honors Chemistry

Skills

- Python (Programming Language)
- JavaScript (Programming Language)
- C++ (Programming Language)
- PROS (Programming Language)
- HyperText Markup Language (HTML)
- Cascading Style Sheets (CSS)
- Lesson Planning
- Study Skills
- Active Listening
- Communication
- Scrum (Software Development)
- Computer Science
- Leadership