

Roshan Taneja

Aspiring Software Engineer, Student, and Brother.

EDUCATION

Sacred Heart Preparatory, Atherton

AUGUST 2021 - PRESENT

Sophomore – Hardware lead in Robotics, Computer Science, and Literature Magazine.

Courses of Distinction: Precalculus BC Honors, Chemistry Honors, APCS, 3.9/4.0 GPA

CAREER OBJECTIVE

Use my math and technology skills to solve real-world problems.

I am a High School Student with a deep love for STEM and a creative approach to solving problems. I've been coding for 7+ years, learned computer science concepts, and built and sold small software projects. As a volunteer, I also develop and maintain websites for Non-Profit organizations and artists.

WORK EXPERIENCE / PROJECTS

Hardware lead at SHP Robotics

AUGUST 2021 - PRESENT

I am the hardware lead for all 5 robotics teams in the school competing at state and national levels. Looking forward to nationals this year.

Inspirit AI Deep Dives

JUNE 2022 - AUGUST 2022

Used Neural Networks to create recommender systems. The music recommender used regression and RTT. Also created a reinforcement learning-based algo to beat space invaders. [<https://github.com/Daroshi11260/spaceinvaders-reinforcementlearning>]

Duke University Pre-College

JULY 2022

Residential program for mathematics and computer science. Built projects centered around graph optimization and search algorithms using advanced computer science principles. [<https://github.com/Daroshi11260/Python-Hill-Cipher-Challenge>]

Calabazas Cyclery

AUGUST 2022 - PRESENT

Started as a volunteer, now being paid to manage inventory, grow an online presence, and on-floor sales. Currently building out a website for renewed online presence. [calabazascyclery.com]

Project FUEL – Tanzania Maasai Community center

AUGUST 2019 - PRESENT

Fundraised \$20,000 to build a water harvesting unit for 4,500 people in Tanzania. Painted and prepared the Tanzania community center, along with the Maasai tribe. We are continuing the initiative this year to start a second round with 6 more student leaders. Working in collaboration with [projectfuel.in, karimufoundation.org].

Building websites for Non-For-Profits

I have built some websites for Non-Profit organizations.

afyayakom.org | yoshiphotos.com | artbygeetataneja.com

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SKILLS

Designing easy solutions to automation problems involving robotics and other education initiatives.

Building websites for charities, artists, and other organizations.

Learning Java and software engineering practices.

Building discord bots to streamline processes in gaming organizations.

AWARDS

Received “Commended Scholar” [October 2022] for the PSAT with a score of 1500/1520

Placed 9th for Northern California Regional FTC Robotics [March 2022] Preparing for next season with goals set on Nationals.

Ranked 3rd in National Hackathon [November 2019] Coderschool Nationwide Hackathon with over 700 competitors.

Ranked 2nd in National Hackathon [November 2018] Coderschool Nationwide Hackathon with over 700 competitors.

LANGUAGES/IDES

Java, Python, Javascript, HTML, CSS, C++, PHP, DiscordJS, Jupyter, Colab, VSCode, Fleet.

SOCIALS

GitHub: github.com/Daroshi11260
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