

Advay Vyas

Incoming TAMS Junior, Class of 2024

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<https://github.com/BoltStrike77>

ABOUT

Advay is an incoming TAMS Junior with outstanding academics, strong work ethic, and solid programming background. Advay is a motivated, fast, and eager learner. Advay understands new concepts and tools quickly. Advay also thrives in varied work environments, from robust collaboration and communication with a group to focused work alone. He would like to be a fall research intern at TAMS.

EXPERIENCE

Mathematics Tutor

July 2022 - Present

Designed, constructed, and executed original math curriculum.

EDUCATION

Coppell High School, TX - 3.97 GPA (unweighted)

MTA: Introduction to Programming Using Java

Python, Intermediate ML< Certifications - Kaggle

LEADERSHIP

VEX Robotics Team Lead - Team 75019D

January 2022 - May 2022

Organized, documented, and executed a robot plan with input from engineers, and programmed the robot's drivetrain and autonomous period.

Troop Guide - BSA Troop 840

March 2020 - March 2022

Mentored young scouts throughout rank advancement, teaching them Scout skills and managing them as their own New Scout patrol.

TECHNICAL SKILLS

Tools: MS Visual Studio, Git, GitHub, Eclipse, Excel, Word, Pandas, NumPy, Jupyter Notebook

Languages: Java, Python, CSS, HTML, JS

Concepts: Algorithms, Data Structures, Abstraction, Encapsulation, Inheritance, Polymorphism, Data Visualization, Web Design, Random Forests

AWARDS

AP Scholar with Honor

TSA State Qualifier - VEX Robotics

Honorable Mention - Artificial Intelligence Society Summer Competition

1st Place Poetry - CGA Writing Competition

PROJECTS

Bracketed Tax Calculator

Wrote a program in Java to calculate bracketed tax, that allowed the user to set the desired number of brackets and their corresponding rates, and then input their taxable income to receive a tax calculation.

Statistics App

Wrote a program in JavaScript using Code.org's editor to calculate basic statistics, that allowed the user to input a list of numbers, and then select a statistic to be calculated.

