

David Shan

Head of Programming at Team 610

Hey! I am David, a high school student who is passionate about constantly working, building, shipping, and iterating projects. I am currently learning about AI and software development at Geotab and exploring the world's biggest problems through working on a startup funded by Telora.



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Experience

Geotab

Software Developer Intern
Oakville, Canada

June 2023 - August 2023

Built React App to turn JSON data into ETHOS Data, then implemented browserless and unit testing to validate JSON Data that is accessible and used by **over 500 employees**. Wrote unit tests for features implemented into the codebase.

Aceflow

Head of Backend Development
Toronto, Ontario

September 2023 - January 2024

Built quiz generator app based on PDF data. Advised by Stanford University’s Director of Digital Learning Solutions. **2,000+ sign-ups** and a revenue-generating beta. **\$150k+ credit grant** from Microsoft, Ingenious+ innovation award, and funded by Emergent Ventures.

FRC Team 610

Head of Programming & Technician
Toronto, Ontario

September 2023 - Present

In charge of the workflow for all of the **14 Team 610 programmers**. Designed the project management framework for Team 610 and oversaw the development of all programming sectors.

Education

Crescent School

4.0 GPA
High School

September 2021 - Present

Current Grade 11 student at Crescent School. Project Manager of the Big Data Challenge Team, Head of Data Science Club, Head of CS Club, Head of Math Club, Math Team Member, Technician and Head of Programming on FRC Team 610, Varsity Ultimate Frisbee, Varsity Cross-Country

Awards

Fellow

Telora
May 2024

Funded for **25 thousand dollars** to build a startup in Miami.

FRC Championships Division Finalist

First Robotics Competition
March 2023

Placed within the **top 2% of 3,286 teams**

CAYPT Gold Medalist

STEM Fellowship
March 2024

Built Rigid Ramp Walker and Ruler Trick Simulation using Mujoco and 4th-Degree Runge Kutta's method

Big Data Challenge Winner

STEM Fellowship
January 2024

Winner of **\$1000** through a wildfire prediction system based on raster data

Coyote's Lair Funding

Coyote's Lair
June 2024

Funded for **3 thousand dollars** to build a watch for families with elderly to have peace of mind.

2 Time AIME Qualifer

Mathematical Association of America
November 2023

Qualified for AIME in both Grades 10 and 11 doing both AMC 10 and AMC 12 with scores **105 and 100.5**

USACO Gold Division

USACO
January 2023

Top **25% of all 4408** participants in the USACO Silver Division Contest