EZRA SCHWARTZ

Software Developer/Researcher

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ABOUT ME

I am a senior at Staples High School in Westport, CT, who has spent the last 6 years diving into computer science and its intersection with other industries to improve both efficiency and accuracy. I have done this through personal projects, school-sponsored research, and competing in cybersecurity competitions such as Cyberquest and Cyber Patriot.

PROJECTS

Autoshift | 2022-2024
- Developed and obtained a provisional patent for a device that uses a machine learning model trained on a specific rider's prior rides to shift gears automatically.

Detecting Rotator Cuff Tears Through Neural Networks | 2023-2026
- Built a neural network to detect and classify rotator cuff tears from MRI
  - More accurate detection at a lower cost and less invasive than MRA

Bluetooth Cycling Power Service Library | 2022-2026
- Developed libraries for the official CircuitPython Community Bundle
  - One of seventy developers worldwide to be included in the bundle
  - Continue to maintain my library monthly

Teen Taskr | 2025-2026
- Tech startup with other local high schoolers
  - App that connects local parents with high schoolers to complete odd jobs
- Developed the entire frontend and backend of the app, including the database and custom moderation software.
- Approved and listed on the Apple App Store

LEADERSHIP

Founder and Captain of Staples Cybersecurity Team | 2024-2026

- Won 1st in Lockheed Martin Cyberquest–highest score recorded in competition history
- Ranked 3rd in the world after round 1 of CyberPatriot
- Mentored underclassmen members in becoming proficient pen-testers

Captain of Swim team | 2025-2026

EDUCATION

Staples High School | 2022-2026

AP Computer Science - P	AP Computer Science - A	AP Physics C Mechanics + Electircy and Magnetism
AP Calculus AB (Calc 1)	AP Calculus BC (Calc 2)	AP Statistics

SKILLS
- Python
- Neural Networks
- Databases
- Bluetooth Low Energy
- Google Earth Engine