

Zakariyya Scavotto

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<https://www.linkedin.com/in/zakariyya-scavotto> | <https://github.com/ZakariyyaScavotto>

Education

Stevens Institute of Technology | Hoboken, NJ

Bachelor of Science in Computer Science

Expected May 2026

Honors: Pinnacle Scholar

Coursework: Seminar on Blockchains: Foundation and Applications, Intro to Computer Science, Seminar on Electrical Engineering, Probability and Stats

Thomas Jefferson High School for Science and Technology (TJHSST) | Alexandria, VA

4.385 GPA (cumulative)

Graduated June 2022

Coursework: Artificial Intelligence, Machine Learning, AP CS (5),

Multivariable Calculus/Linear Algebra, AP Calculus BC (5)

Work and Research Experience

George Mason University Mentorship:

(June 2020-Present)

- Conducted a research study on EEG-based emotion recognition in music using machine learning under the guidance of Dr. Nathalia Peixoto.
- Used SVMs with the scikit-learn library to train a model to classify the correct emotional response with 64.6% accuracy.
- Created a demonstration web application with Flask to predict emotional responses based on live EEG data.
- Currently writing a paper on the study.

Lead Teaching Assistant, TJHSST's Summer Math 5 (Pre-Calc) course (Summer 2021)

Skills

Hardware: Built a gaming PC from scratch, EEGs

Software: GitHub, Google Drive, Microsoft Office

Programming Languages: Python (5 years), Javascript (4 years), HTML (4 years), CSS (4 years), Java (3 years), MATLAB (1 year), C++ (1 year)

Extracurriculars and Leadership

Music: see my music resume, [Zakariyya Scavotto Music Resume](#)

Sample recording of my playing: [Scriabin Prelude Op. 11 No. 22 in G Minor](#)

Stevens Institute of Technology:

Computer Science Club, Stevens Stand-Up Society

(2022-Present)

TJHSST Clubs:

Dev Club, Machine Learning

(2018-2022)

Leadership:

Lecturer, Dev Club

(2021-22)