

Zakariyya Scavotto

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Education

Stevens Institute of Technology | Hoboken, NJ

Bachelor of Science in Computer Science

Expected May 2026

GPA: 4.0 | Honors: Pinnacle Scholar

Coursework: Data Structures, Discrete Structures, Probability and Stats,

Intermediate Stats, Seminar on Blockchain, Seminar on Computer Science

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

GPA: 4.385

June 2022

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

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

Work and Research Experience

Quant Intern, Stevens Student Managed Investment Fund (January 2023 - Present)

- Working as a team on the Factor Model (FM), a machine-learning model to determine how much money should be allocated to each sector the fund invests in.
- Created a guide that walks through the setup of an Ubuntu Desktop Virtual Machine using VirtualBox for Windows to run the FM code.

George Mason University Mentorship (June 2020 - November 2022)

- 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.
 - Built a demonstration web application with Flask to predict emotional responses based on live EEG data.
 - Authored "EEG-based Emotion Recognition with Music: A Model and Application", posted to the Mason Archival Repository Service:
<http://mars.gmu.edu/handle/1920/12993>.
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Skills

Hardware: Built a gaming PC from scratch

Programming Languages: Python (5 years), Javascript (4 years), HTML (4 years),

CSS (4 years), Java (3 years), MATLAB (1 year), C++ (1 year)

Software: GitHub, Google Drive, Microsoft Office

Extracurriculars and Leadership

Music: [Zakariyya Scavotto Music Resume](#), [ZS Scriabin Prelude Op 11 No 22 in G Minor](#)

Stevens: Computer Science Club, Stevens Stand-Up Society

(2022-Present)

TJHSST: Dev Club (Lecturer, 2021-22), Machine Learning

(2018-2022)