Zakariyya Scavotto

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Education

Stevens Institute of Technology | NJ — Expected May 2026

Bachelor of Science in Computer Science

GPA: 4.0 | Honors: Pinnacle Scholar, Upsilon Pi Epsilon Honor Society

Coursework: Algorithms, Computer Architecture and Organization, Data Structures, Discrete Structures, Infinite Series/Nonlinear Optimization, Intermediate Stats, Probability, Microeconomics

Thomas Jefferson High School for Science and Technology (TJHSST) | VA — Jun. 2022

Coursework: Artificial Intelligence, Machine Learning, Linear Algebra, Multivariable Calculus

Work and Research Experience

Stevens Institute of Technology, Intermediate Stats Class Assistant (Sept. 2023 - Present)

- Helping students with questions about stats or with their R programs during class.

Stevens Institute of Technology, Student Researcher (May 2023 - Present)

- Modeling inflation during COVID using machine learning with the goal of incorporating COVID data in the model, under the guidance of Professor Yue Ning.

Stevens Student Managed Investment Fund

Factor Model (FM) Analyst, FM Team (Sept. 2023 - Present)

- Researching different methods of portfolio optimization for factor models.
- Coding various implementations of a factor model to determine sector allocations for the fund.

Quant Intern, FM Team (Jan. 2023 - May 2023)

- Made a guide to set up an Ubuntu Desktop Virtual Machine with VirtualBox on Windows.
- Created a Python script to generate a weekly report summarizing FM performance.

George Mason University, Student Researcher (Jun. 2020 - Nov. 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 emotional responses with 64.6% accuracy and built a Flask demo web application to predict responses with live EEGS.
- Authored “EEG-based Emotion Recognition with Music: A Model and Application”, Mason Archival Repository Service: http://mars.gmu.edu/handle/1920/12993.

Skills

Programming Languages: Python (6 years), Javascript (4 years), HTML (4 years), CSS (4 years), Java (3 years), R (1 year), MATLAB (1 year), C++ (1 year)

Software: GitHub, Google Drive, Microsoft Office (Excel, PowerPoint, Word)

Extracurriculars and Leadership

Music: Zakariyya Scavotto Music Resume, ZS Scriabin Prelude Op 11 No 22 in G Minor

Stevens: Computer Science Club (2022 - Present)

Association of Computing Machinery Chapter, Vice President (2023 - Present)