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, Database Management Systems, Data Structures, Discrete Structures, Princ. of Programming Languages, Systems Programming, Intermediate Statistics, Probability, Nonlinear Optimization, Macro/Microeconomics

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

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

Work and Research Experience

Stevens Institute of Technology, Data Structures Course Assistant (Jan. 2024 - Present)

- Conducting 30 student lab sessions, grading student assignments, and holding office hours.

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

- Aided students with questions about stats or their R programs during lectures.

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)

- Developed a step-by-step guide to set up Ubuntu Virtual Machines with VirtualBox on Windows.
- Increased reporting efficiency by creating a Python script to generate a weekly FM report.

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.

George Mason University, Student Researcher (Jun. 2020 - Nov. 2022)

- Conducted a study on EEG-based emotion recognition in music under Dr. Nathalia Peixoto where we used SVMs to classify emotional responses with 64.6% accuracy.
- Authored “EEG-based Emotion Recognition with Music: A Model and Application”, Mason Archival Repository Service: mars.gmu.edu/handle/1920/12993.

Skills

Programming Languages: Python, Java, Javascript, HTML, CSS, R, MATLAB, C++, C, OCaml

Software: GitHub, Google Drive, Microsoft Office, VS Code

Certificates: Bloomberg Market Concepts (Dec. 2023)

Extracurriculars

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

Stevens: Computer Science Club, Association of Computing Machinery (2022 - Present)