

Alex Gertner

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EDUCATION

-
- Williams College**, Williamstown MA June 2029
Bachelor of Arts, Prospective Mathematics and Economics Major
- Relevant Coursework: Macroeconomics, Discrete Math, Data Structures & Advanced Programming, Statistics & Data Analysis, Linear Algebra
- St. Christopher's School**, Richmond VA May 2025
- SAT: 1580 (800 Math, 780 Reading/Writing)
 - Awards: National Merit Finalist, AP Scholar with Distinction, Scholastic All-American, Valedictorian

FINANCE & QUANTITATIVE EXPERIENCE

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- Williams Investment Group and Investing in a Real Fund** January 2026
- Will collaborate to manage a six figure long-only investment fund in the context of a course to explore financial markets
 - Will present a stock pitch with a small team, and analyze other members' pitches
 - Will learn financial accounting, corporate capital structure, equity and fixed income markets, derivatives, market efficiency, behavioral finance, and non-financial drivers
- Discrete Math, Teaching Assistant** February 2026 – May 2026
- Will hold office hours 2-3 times a week, guiding students through abstract reasoning and proof-writing techniques
- Training the Street, Foundations and Advanced Financial Modeling** October 2025 – Present
- Taking certification course in valuation, financial statement analysis, DCF, LBO, merger models, and Excel-based financial analysis
- St. Christopher's Capstone Scholars Program, Researcher** December 2023 – March 2025
- Used number theory and cryptography to implement Diffie-Hellman key exchange
 - Designed, built, and implemented holomorphic encryption to encrypt survey responses
- University of Virginia, Student Researcher** July – August 2023
- Performed statistical analysis on large datasets using python and agentic AI
 - Performed undergraduate-level research using KNN & K-means clustering algorithms to categorize online shopping queries

LEADERSHIP & COMMUNITY INVOLVEMENT

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- Williams Swim and Dive, Varsity Athlete** September 2025 – Present
- Devote 20+ hours per week to swim and weight training from September to March
 - Contributing to ongoing success of varsity swim program
- Williams Chess Club, Member** September 2025 – Present
- Achieved online ELO of 1950, ranked in the top 0.7% of online speed chess players
- Williams Math Club, Member** September 2025 – Present
- St. Christopher's Swim and Dive, Captain and Varsity Athlete** 2021 – 2025
- Two-time NISCA Swimming All-American
- PAC Sweets, Web Developer** October 2023 – May 2025
- Designed & developed a responsive website for a local baking company to showcase products and accept custom orders
 - Used HTML, CSS, JavaScript, and php to deliver a user-friendly, visually appealing site
- Three Chopt Recreation Center, Lifeguard** June – September 2022, 2023

SKILLS

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- Dale Carnegie, Professional Development Certification** August 2025
- Developed leadership, communication, and interpersonal skills
- Programming:** Python, Java, C#, HTML/JS/CSS, SQL, PHP; Git