

Alex Gertner

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EDUCATION

Williams College , Williamstown MA	June 2029
<i>Bachelor of Arts, Prospective Mathematics and Economics Major</i>	
- 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

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

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

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