

Matthew Adner

matthewadner.github.io

Education

Union College – Schenectady, NY	Class of 2026
B.S. in Mathematics and Economics	
Minor in Computer Science	
Presidential Scholarship Recipient	

Skills and Training

- Python, R, SQL, Java, HTML, CSS, JavaScript
- Libraries: Pandas, NumPy, Scikit-Learn, Matplotlib
- Data Visualization, ML, NLP, AI Workflow Development
- Excel, Bloomberg Terminal, Tableau, Power BI, QGIS

Courses: Data Mining and ML [Python], Natural Language Processing [Python], Probability Theory, Econometrics [Stata], Data Visualization [Tableau], Financial Analysis [Excel], Forecasting Seminar [R], Data Structures and Algorithms [Java]

Financial and Quantitative Experience

Tuck Business Bridge Program: Tuck School of Business at Dartmouth College – Hanover, NH	Dec 2025
• Participated in a highly-selective 3-week program taught by MBA faculty, providing an in-depth introduction to financial accounting, corporate finance, managerial economics, communications, marketing, spreadsheet modeling, and strategy.	
• Performed valuation analyses of Duolingo, including financial and strategic assessments, a DCF analysis, and a final presentation to industry executives and faculty.	
Summer Analyst: TVG Consulting – Remote	Jun 2025 – Aug 2025
• Built an AI tool to collect, clean, and integrate public data into a proprietary dataset for market research.	
• Contributed to buy- and sell-side due diligence in digital infrastructure, focusing on growth, valuation, and synergy.	
• Informed strategic and operational recommendations through market research and expert interviews; supported client relations.	
• Developed financial models and performed geospatial and data-driven analyses to support M&A strategy and execution.	
Co-President: Student Investment Fund – Schenectady, NY	Sep 2022 – Present
• Founded Quantitative Strategies Group. Co-manage over \$1M of Union College endowment.	
• Lead 50+ member meetings, regularly present to club on derivatives mechanics, option pricing, and quantitative investment.	
• Develop trading algorithm trained on over 16 million datapoints, conduct backtesting, trading analysis, portfolio optimization.	
• Produce visualizations to communicate portfolio performance, allocation, and market correlation.	
• Explain technical processes and systems to an audience of technical and non-technical students and professors.	
Research Assistant: Tuck School of Business at Dartmouth College – Hanover, NH	Jun 2023 – Feb 2025
• Translate successful equity trading strategies to regional real estate markets to backtest their effectiveness.	
• Develop code in R and Python to synthesize data analysis into clear visualizations and dashboards.	
• Synthesized real estate transaction data into MBA case study materials on investment strategy and property valuation.	
Assistant Scientist and Mentor: New Hampshire Academy of Science – Lyme, NH	Summer 2021 – 2023
• Taught modules on computer science, machine learning, computer vision, 3D modeling, and Arduino, for ages 13-18.	
• Advised experimental design, execution, and analysis. Directed social media and outreach efforts.	
• Researched & presented object detection machine learning applications and spectrometry techniques for plant stress detection .	
Consumer Review Data Analysis: Independent Project – Hanover, NH	Jun 2021 – Sep 2021
• Cleaned and processed over 400,000 textual and numerical reviews of Amazon products for over 50 unique companies.	
• Identified statistically significant star rating bias given to smaller companies using sentiment analysis and machine learning.	
Other Experience	
Yoga Club Treasurer: Union College – Schenectady, NY	Jul 2025 – Jun 2026
• Manage budget, coordinate logistics for instructor contracts, and transportation for on and off-campus sessions.	
Beuth House Procurement Chair: Union College – Schenectady, NY	Mar 2023 – Nov 2024
• Identified and procured resources for events, negotiated contracts with local businesses, collaborated with faculty.	
Ski Instructor: Dartmouth Skiway Snowsports School – Lyme, NH	Winters 2018 – 2023
• Led beginner and intermediate ski lessons for individuals and groups of all ages. PSIA Alpine Ski Level 1 Certified.	
Computer Science Teaching Assistant: Hanover High School – Hanover, NH	Sep 2021 – Jun 2022
• Presented lectures, worked with students, graded assignments, developed software for student interaction measurement.	
Summer@INSEAD: INSEAD Business School – Fontainebleau, France	Summer 2022
Elected Swim Team Captain: Hanover High School – Hanover, NH	Dec 2021 – Mar 2022
Founder & President of Plant Club: Hanover High School – Hanover, NH	Sep 2021 – Jun 2022
Associate Member: Sigma Xi Scientific Research National Honor Society	Winter 2020 – Present

Interests: Skiing, Cycling, Yoga, Running, Coffee, Cooking