




Ethan Olesinski

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EDUCATION

Northeastern University	Boston, MA
<i>Candidate for: Master of Science, Computer Science Current GPA: 3.9/4.0</i>	<i>Expected Dec. 2025</i>
University of Nevada, Reno	Reno, NV
<i>Major: Bachelor of Science in Economics Minor: Mathematics Major GPA: 3.94/4.00</i>	<i>Jan. 2017 – May 2020</i>
<i>Relevant Coursework: Money and Banking; Corporate Finance; Financial Accounting; Bayesian Statistics</i>	
Columbia University	New York, NY
<i>Visiting Student at Columbia College Area of study: Financial Economics/Computer Science</i>	<i>Jan. 2019 – Dec. 2019</i>
<i>Relevant Coursework: Machine Learning for Social Science; Econometrics; Discrete Time Models in Finance</i>	

PROFESSIONAL EXPERIENCE

Morgan Stanley – Parametric Portfolio Associates	New York, NY
<i>Software Engineering Intern</i>	<i>Jan. 2025 – Present</i>
<ul style="list-style-type: none">Contributes to the development and enhancement of municipal bond trading infrastructure by writing C# and .NetCollaborates directly with quantitative development team and trading desk to design/develop internal portal toolsImproves trade execution strategies by creating endpoints to retrieve lot-level portfolio positions from databases	
Massachusetts Institute of Technology (MIT) – Digital Currency Initiative	Cambridge, MA
<i>Research & Engineering Intern – Central Bank Digital Currencies (CBDCs)</i>	<i>June 2024 – Aug. 2024</i>
<ul style="list-style-type: none">Attended meetings with central bank officials from the Deutsche Bundesbank, Bank of Canada, and Bank of EnglandImproved speed of Lua smart contract execution by 12% and debugged errors in distributed systems by writing C++Co-authored paper on UTXO/account-balance architectures and implemented minting functionality for digital wallet	
Federal Reserve Bank of Boston	Boston, MA
<i>Applied Fintech Research Intern - Central Bank Digital Currencies (CBDCs)</i>	<i>July 2023 – Dec. 2023</i>
<ul style="list-style-type: none">Investigated digital currencies/assets, stable coins, and distributed systems/databases for use in retail/P2P transactionsInterfaced directly with senior Fed officials, presented research findings to 30+ staff, and performed 15 code reviewsImproved API by paginating endpoints using Python/SQL, wrote front-end unit tests in React, and created shell scripts	
Nevada Governor's Office of Economic Development	Carson City, NV
<i>Economic Research Intern</i>	<i>Sept. 2020 – Feb. 2021</i>
<ul style="list-style-type: none">Advised senior cabinet members on economic strategy and helped provide recommendations regarding infrastructureCollaborated with team of 10 to draft policy proposals and legislative brief to inform decision making of state officialsLed project/presented findings resulting in the adoption of a targeted approach to development initiatives statewideAssisted with organizing virtual trade missions aimed at attracting foreign direct investment (FDI) from 70 companies across 19 countries leading to 7 new partnerships	
University of Nevada, Reno	Reno, NV
<i>Research Assistant – Prof. Mehmet S. Tosun (Dept. of Economics)</i>	<i>July 2020 – Feb. 2021</i>
<ul style="list-style-type: none">Conducted quantitative and qualitative economic research and presented key findings at the World Bank (webinar)Created data visualizations, analyzed datasets, published reports, and built linear regression models using StataAutomated economic data extraction, cleaning, and formatting process by writing Python code that saved 3.5hrs/week	

LEADERSHIP & OTHER EXPERIENCE

Northeastern University	Boston, MA
<i>Teaching Assistant – CS 5004: Object-Oriented Programming</i>	<i>May 2024 – Aug. 2024</i>
<ul style="list-style-type: none">Organized/led recitations, taught Java/OOP fundamentals, helped refine course material, and graded assignmentsTutored 75+ students leading to an improvement in on-time assignment submissions and provided support to students	
Investment Club	Reno, NV
<i>President, Co-Founder (UNR)</i>	<i>Jan. 2017 – Dec. 2018</i>
<ul style="list-style-type: none">Founded a club to explore financial markets, analyzed current events, and taught portfolio management conceptsManaged real-time, simulated portfolios with \$100,000 AUM and organized club wide performance competitionsLed meetings, developed lesson plans, coordinated guest speakers, and promoted financial literacy to over 30 students	

SKILLS & INTERESTS

Technical: Bloomberg Terminal (BMC, ESG); Preqin; PitchBook; Capital IQ; Microsoft (Word, Excel, PowerPoint)

Programming Languages: Python (pandas, GeoPandas, NumPy, Matplotlib, scikit-learn); Java; R; Matlab

Interests: Passion for reading Greek classics; open-source software; skiing; willing to obtain CFA/FINRA Series 7, 63, 79