

Nathaniel Yee

| yee.n@northeastern.edu | (516) 270-0656 | nathanielyee.com | [LinkedIn](#) |

EDUCATION

Northeastern University

Boston, MA

Major: *B.S. Data Science and Business Administration: Finance*

Expected April 2026

- **GPA:** 3.6/4.0 (DMSB Deans List)
- **Relevant Coursework:** Financial Management | Financial Accounting | Data Science 3500 | Business Statistics | Finance and Investments | Discrete Structures and Mathematics |
- **Clubs & Activities:** Finance for the Community | Data Club | NU Systematic Alpha | Downhillers Ski Club | Phi Gamma Delta

RELEVANT EXPERIENCE

John Hancock

Boston, MA

Actuarial Intern

January 2024-Present

- Compiled and analyzed data to generate Daily Production Reports (DPR), ensuring accuracy and timeliness in tracking key performance indicators for the US Insurance Finance team.
- Developed comprehensive revenue reports utilizing Excel and other analytical tools to provide insights into financial performance, aiding decision-making processes on large scale transactions of ~\$1 million daily.
- Implemented methods of streamlined processes for data collection and analysis using VBA, resulting in 25% increased efficiency and productivity within the team.

BAY SPECIALIZED TAX SERVICES

Remote

Business Development and Marketing Intern

June 2023-August 2023

- Founded and spearheaded a dynamic marketing team, driving strategic initiatives and overseeing all marketing efforts.
- Developed and executed innovative marketing campaigns across Instagram and TikTok increasing impressions by 50%.
- Executed community outreach initiatives aimed at educating and empowering 50+ local business owners about the valuable benefits of the Employee Retention Credit (ERC).
- Employed research and analytical skills to assess the eligibility of local businesses for the ERC, utilizing advanced tools like HLA (High-Level Analysis) for comprehensive evaluation.

STUDENT ADVISORY COUNCIL FOR NASSAU COUNTY D.A. OFFICE

Mineola, NY

Council Representative Intern

September 2021-June 2022

- Collaborated with representatives from the Nassau County District Attorney's Office to discuss local crime issues and identify solutions to manage and reduce damages in Nassau County by approximately 25%.
- Promoted awareness of local crime issues and shared information with fellow students and community leaders.

ACTIVITIES & INVOLVEMENTS

Northeastern Systematic Alpha

Boston, MA

Quantitative Researcher

September 2023-Present

- Applied quantitative analysis techniques to develop factor models using Python and SQL.
- Conducted thorough back testing and validation of factor models to assess performance and refine model parameters, ensuring accuracy and reliability in financial forecasting.

PHI GAMMA DELTA, NU ETA CHAPTER

Boston, MA

Creative Chair

January 2023-Present

- Crafted compelling social media posts that drove a 150% increase in user engagement and expanded reach by 24.5%, effectively connecting with a wider audience.
- Uphold and improve the reputation of Phi Gamma Delta within the Northeastern and Boston area through principles of friendship, morality, service, and excellence.

TECHNICAL PROJECTS

[QUANTITATIVE ANALYSIS ON REDDIT SENTIMENT'S IMPACT ON MARKET VOLATILITY AND RETURNS](#)

- Conducted sentiment analysis on Reddit's r/wallstreetbets data and Yahoo Finance stock price data for a year, revealing no statistically significant correlation between sentiment scores and overall portfolio returns (p-values > 0.16).
- Identified a significant increase in market volatility (p-value < 0.05) when negative sentiment was expressed on r/wallstreetbets, suggesting a possible influence of sentiment on volatility trends.
- Analyzed Reddit sentiment's impact on Sharpe Ratio, a risk-adjusted return metric, finding no significant correlation with sentiment scores (p-values > 0.16), implying sentiment's limited effect on risk-adjusted returns.

CERTIFICATIONS AND SKILLS

CERTIFICATIONS: Bloomberg Market Concepts (BMC) | Bloomberg ESG |

SKILLS: Pandas | Python | Seaborn | Scipy | NLTK | Figma | Microsoft Suite | HTML | CSS | Git/Github | SQL | VBA

INTERESTS: New Technology | Chess | Photography | Keyboards | Weightlifting and Running | Piano, Clarinet, and Ukulele | Reading |