

Joseph Carlucci

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Availability: January - June 2025

Education

NORTHEASTERN UNIVERSITY, Khoury College of Computer Sciences Fall 2023 - Present
Candidate for BS in Computer Science and Business (Finance Concentration) Expected Spring 2027
GPA 3.9/4.0 | Dean's List (Fall '23, Spring '24)
Relevant Courses: Object-Oriented Design, Fundamentals of Computer Science 1 & 2, Discrete Structures,
Algorithms and Data, Introduction to Databases, Financial Accounting, Financial Management

Computer Knowledge

Languages: Java, Python, SQL, HTML, CSS, JavaScript, LaTeX
Systems: MacOS, Windows
Technologies: Git, Jupyter, Pandas, NumPy, Matplotlib, BigQuery, YFinance, React, MYSQL, Bloomberg

Work Experience

FINANCE RESEARCH September 2024 - Present
Northeastern University Boston, MA

- Leveraged Google BigQuery to query and analyze a dataset of over 7.5 million patents, enhancing research insights into patent similarity
- Ensured data integrity through validation and troubleshooting, supporting the reliability of research outcomes
- Utilized NLP libraries to analyze risk factors in 10-K filings, identifying key trends in financial reporting

Projects

ACCELERATE May 2024 - Present
Startup Co-Founder

- Developed a responsive front-end using ReactJS, integrating Google Maps Address Autofill, Maps Static, and Drawing Manager APIs to automate quote criteria collection for landscaping companies
- Integrated NodeJS backend with Google Firebase for user authentication, data storage, and project deployment

STOCK PORTFOLIO MANAGER June 2024 - July 2024

- Leveraged AlphaVantage API to retrieve real-time stock data and implemented a mock portfolio manager, utilizing Java Swing to create an intuitive user interface, runnable from a JAR file
- Implemented a Model View Controller (MVC) architecture to separate concerns and improve code readability

Extracurricular Experience

NORTHEASTERN STUDENT VALUE FUND February 2024 - Present
Analyst Boston, MA

- Completed semester-long junior analyst program, gaining experience in ideation, financial modeling, and conducting comprehensive market research
- Conducted in-depth research on an analyst team, identifying and pitching value stock investment opportunities to the fund- total portfolio value is approximately \$270k of the university's endowment
- Aggregated fund's historical one pagers and contributed to a backtest on a basket trading strategy to use as a potential cash alternative in the fund's portfolio

NORTHEASTERN REV September 2024 - Present
Member Boston, MA

- Accepted into Fall '24 cohort of venture accelerator program, to work on AcceleRate Startup
- Participated in weekly workshops and mentorship sessions to develop entrepreneurial skills and refine business model, as well as give feedback to other startups in the program

ENGAGE UIC Stock Pitch Competition November 2024
Finalist University of Michigan

- Competed in 17th annual UIC Stock Pitch Competition at University of Michigan, pitching a long thesis on Upwork Inc. to a panel of industry professionals- submitted October 14th, 2024 and presented November 1st, 2024

Husky Startup Challenge November 2024
Finalist Northeastern University

- Competed in Northeastern's Husky Startup Challenge, a semester-long accelerator program, to develop AcceleRate Startup, and was selected as a finalist to pitch to a panel of judges

Interests: Skiing, Entrepreneurship, Pizza Making, Kayaking