

Joseph Carlucci

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Availability: July - August 2025

Education

NORTHEASTERN UNIVERSITY, Khourey College of Computer Sciences

Fall 2023 - Present

Candidate for BS in Computer Science and Business (Finance Concentration)

Expected Spring 2027

GPA 3.94/4.00 | Dean's List (Fall '23, Spring '24, Fall '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, JavaScript, HTML, CSS

Systems: MacOS, Windows, Linux

Technologies: Git, Docker, Kubernetes, DBT, Airflow, Jupyter, BigQuery

Work Experience

WAYFAIR INC.

January 2025 - Present

Data Engineer Intern

Boston, MA

- Maintained existing ETL/ELT infrastructure to ensure reliable reporting while adapting logic to accommodate evolving stakeholder needs and Ops KPIs
- Optimized data pipelines to align with team best practices while maintaining Airflow DAG integrity, improving system reliability and performance
- Led the architectural design of a new aggregated reporting pipeline, implementing flexible and maintainable solutions that enhanced data accessibility

FINANCE RESEARCH

September 2024 - December 2024

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 public markets

Projects

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

- Conducted comprehensive market research on an analyst team, identifying and pitching value stock investment opportunities to the fund- total portfolio value is approximately \$300k of the university's endowment
- Aggregated fund's historical one-pagers to backtest a basket trading strategy to use as a potential cash alternative in the fund's portfolio

NORTHEASTERN REV

September 2024 - December 2024

Member

Boston, MA

- Accepted into Fall '24 cohort of venture accelerator program, to work on a SaaS startup idea
- 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 and was selected as a finalist to pitch to a panel of judges

Interests: Skiing, Chess, Kayaking, Pizza-Making