Joseph Carlucci

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Availability: January - August 2025

Education

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

Computer Knowledge

Languages:	Java, Python, SQL, HTML, CSS, JavaScript, LaTeX
Systems:	MacOS, Windows
Technologies:	Git, Jupyter, Polygon, Django, MYSQL, MSExcel, Bloomberg

Experience

FINANCIAL RESEARCH VOLUNTEER — 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

ADMINISTRATIVE PROCESSES AUTOMATION — August 2024
Baystate Academy Charter Public School — Springfield, MA

- Developed a custom automation solution using Google Apps Script to streamline Google Form response email workflows from Google Sheets
- Implemented a data aggregation algorithm in Google Sheets using Google Apps Script to efficiently compile data for reliable annual reporting

Projects

ACCELERATE — May 2024 - Present
Startup Co-Founder

- Developed a responsive front-end, integrating Google Maps Address Autofill, Maps Static, and Drawing Manager APIs to automate quote criteria collection for landscaping companies

STOCK PORTFOLIO MANAGER — June 2024 - July 2024

- Integrated AlphaVantage API to retrieve real-time stock data and implemented a mock portfolio manager with a user-friendly GUI, runnable from a JAR file

GUI TASK AUTOMATION — September 2023 - November 2023

- Utilized Python GUI packages to automate dynamic tasks by capturing screen screenshots, processing images for data extraction and programmatically controlling mouse movements

Extracurricular Activities

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

- Completed semester-long junior analyst program, gaining experience in financial modeling, constructing DCF models, and comprehensive market research
- Conducting in-depth research on an analyst team to identify and pitch value stock investment opportunities to the fund- total portfolio value is approximately $270k of the university's endowment

NORTHEASTERN REV — September 2024 - Present
Member — Boston, MA

- Accepted into Fall '24 cohort of venture accelerator program, to work on AcceleRate Startup
- Participating 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

KNACK TUTOR — September 2024 - Present
Northeastern University — Boston, MA

- Tutoring students in Object Oriented Design, providing guidance on course material and assignments

Interests:	Web development, Algorithmic Trading, Entrepreneurship, Skiing, Machine Learning