

Joseph Carlucci

carlucci.j@northeastern.edu | 978-990-0336 |  joseph-carlucci |  joseph-carlucci | Boston, MA
Availability: January - August 2025

Education

NORTHEASTERN UNIVERSITY, Khoury College of Computer Sciences
Candidate for B.S. in Computer Science and Finance
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

Boston, MA
Expected: May 2027

Computer Knowledge

Languages: Java, Python, SQL, HTML, CSS, JavaScript, LaTeX
Systems: MacOS, Windows
Technologies: Git, IntelliJ, PyCharm, VSCode, Jupyter, Polygon, Django, MYSQL, BigQuery

Experience

FINANCE RESEARCH
Northeastern University

September 2024 - Present
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
Baystate Academy Charter Public School

August 2024
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
Startup Co-Founder

May 2024 - Present

- Developed a responsive front-end, integrating Google Maps Address Autofill, Maps Static, and Drawing Manager APIs to automate quote criteria collection for landscaping companies
- Integrated Django backend with Auth0 for user authentication and authorization, and implemented a Django Database to store user data

STOCK PORTFOLIO MANAGER

June 2024 - July 2024

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

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
Analyst

February 2024 - Present
Boston, MA

- Completed semester-long junior analyst program, gaining experience in financial modeling, constructing DCF models, and 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

NORTHEASTERN REV
Member

September 2024 - Present
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

Interests:

Skiing, Algorithmic Trading, Entrepreneurship, Pizza Making, Kayaking