

JOSHUA G. LEEDS

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<https://github.com/joshleeds>

EDUCATION

Boston University

Bachelor of Science in Data Science, Minor in Business Administration and Statistics

Boston, MA

May 2026

Honors: Dean's List: Fall 2022 & 2023, Spring 2023 & 2024

GPA: 3.96

Activities: Kappa Theta Pi Professional Technology Fraternity, Finance & Investment Club, Sigma Chi Fraternity

Relevant Coursework: Data Mechanics, Data Structures and Algorithms, Linear Algebra, Applied Statistics

WORK EXPERIENCE

Comcast, Denver, CO

June 2024 - Aug 2024

Business Intelligence Data Analyst Intern

- Led analysis of Xfinity subscriber base to identify potential future growth and marketing opportunities
- Conducted data discovery using SQL across multiple databases to build comprehensive data sources and tables
- Created descriptive visualizations with Tableau and presented findings to senior management

Boston University Faculty of Computing and Data Sciences, Boston, MA

Jan 2024 - Present

Course Assistant Programming for Data Science

- Host weekly office hours to help students with Python, Rust, data structures, algorithms, and data analysis
- Grade assignments and provide students with advice and feedback

BU Finance & Investments Club, Boston, MA

Sept 2023 - Present

Quantitative Developer

- Lead a quantitative finance project with a team of 4 developers to research the NYSE and other global markets using Python; utilize NumPy, pandas, Matplotlib, and yfinance libraries
- Work with other groups and projects to analyze, predict, and further research the stock market
- Projects will be used to help analysts manage our investment fund (~\$1.1M AUM, 2023)

PROJECT EXPERIENCE

COVID-19 Policy Effectiveness: [Github link](#)

Spring 2024

- Built an ELT pipeline using Azure to gather, transform, and store data from various cloud and local sources
- Developed data pipelines in Azure Data Factory to merge and transform datasets for a Data Warehouse
- Analyzed and visualized data processed in Azure Synapse using Power BI to identify the most effective policies

Machine Learning with Technical Analysis Indicators: [Github link](#)

Fall 2023

- Created functions to compute values for technical analysis indicators with Python; used technical analysis indicators as features for an LSTM neural networks model with TensorFlow to predict stock market directionality
- Learned about training and testing data, data cleaning, and accuracy analysis
- Presented findings to a panel of Boston University professors and alumni

Sentiment Driven Stock Analyzer: [Github link](#)

Summer 2023

- Utilized Python to develop a program that collects headlines from companies in the S&P 500 and then performs sentiment analysis to analyze the impact of daily news on stock market prices
- Obtained knowledge of NLTK toolkit, statistical analysis, web scraping, and sci-kit machine learning libraries

Portfolio Website

Summer 2023

- Built a portfolio website with a partner using HTML, CSS, and JavaScript; created complex animations and designs to highlight experiences: <https://josh-and-thomas.com/>

COMPETITIONS

- Harvard University Quantitative Trading Competition Participant and Round 4 Winner
- JPMorgan Chase Innovate for Impact Case Study Competition Semi-Finalist

March 2024

February 2024

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, Rust, HTML, CSS

Libraries: TensorFlow, Scikit-learn, NumPy, Pandas, Matplotlib, yfinance

Software: Microsoft Azure, Github, Git, Excel, Power BI, Tableau