Jesse Peterson   Garfield, NJ

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in LinkedIn | https://www.linkedin.com/in/jesse-peterson-959b2b224   **GitHub** | https://github.com/Jpeterson2012

Education

Georgia Institute of Technology, Atlanta, GA   **January 2024 - Present**

M.S. Computer Science

William Paterson University, Wayne, NJ   **January 2023**

B.A. Mathematics, Minor in Computer Science, *GPA: 3.57*

Skills

Languages: Java, C++, Python, Typescript, R, CSS, HTML, MYSQL

Frameworks/Libraries: Spring Boot, Spring MVC, Angular, NumPy, Pandas

Other Tools: Git, Postman, Ubuntu, Docker, Azure, Visual Studio, Visual Studio Code, Intellij

Project(s)

Web Scraper Analysis

(Python, Pandas, NumPy, Beautiful Soup)

- Generated application that scrapes financial data from Yahoo Finance using the Beautiful Soup library.
- Requests a multitude of ticker symbols from the user, then injects those symbols into the website URL.
- Converts data types and cleans the data using pandas, while simultaneously producing a combined data frame on the heading of one's choosing along with a data frame for each individual symbol.
- Performs some analysis with NumPy on the data such as producing the daily returns, standard deviation of daily returns, average daily returns, and Sharpe ratio.

Ecommerce Site (Full Stack)   **Demo here**

(Java, Typescript, Spring Boot, Angular, MYSQL, HTML, CSS, Bootstrap)

- Built a bookshop ecommerce website where you can browse, filter, and buy different books.
- Used Typescript, Angular, HTML, CSS, and Bootrap to create responsive, functional components for a seamless, interactive user experience.
- Designed REST API using Java, Spring Boot and Spring MVC to interact with a MYSQL database.
- Tested endpoints by using Postman requests and hosted backend and database to Azure using Docker compose, Azure container registry, & Azure container instances.

Bookshop Project

 (Java, C++, MYSQL)

- Created menu interface with separate menu for each database table by implemented MYSQL database connectivity.
- Utilized OOP design and SQL libraries to create classes with custom queries.
- Remade application using core Java and JDBC.

Work Experience

Independent Contractor | **Instacart** | **Garfield, NJ**   **March 2023 – Present**

- Use system software to view and accept personal shopping orders, shop at a variety of stores, communicate with customers, and respond to special requests while shopping.
- Provide exceptional quality customer service and regularly handle and resolve customer complaints while simultaneously coordinating efficient deliveries of large orders with various destinations.