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

Skills

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

Frameworks/Libraries: React, Angular, NumPy, Pandas, Spring Boot, Node.js, Spring MVC

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

Project(s)

Web Scraper Analysis

(Python, MYSQL, Pandas, NumPy, Beautiful Soup)

- Generated application that scrapes the current S&P500 symbols from Wikipedia using the Beautiful Soup library.
- Stores these symbols inside a MYSQL table and feeds them into the Yahoo Finance API.
- Produces a MYSQL table of historical values for each symbol.
- Performs some analysis with NumPy on subsets of 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.