Jesse Peterson   Garfield, NJ

(201)-754-3446 | zerogravity124@gmail.com   ⊘ **Website** | https://jmpeterson.dev

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

Project(s)

TheSound Music App   **Demo here**

(MYSQL, Express.js, React, Node.js, Redux, TypeScript, HTML, CSS)

- Allows user to sign into their personal Spotify account and sync personal library.
- Provides responsive and interactive UI elements for a premium feel.
- Supplies discover page with new releases and a search component for endless hours of music.
- Enables audio streaming via utilizing the Spotify Web Playback SDK.

Simple Market Trading Simulator   **Github**

(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 along with a table of historical data for each ticker, provided by the Yahoo Finance API.
- Uses a machine learning model consisting of a bag learner and random trees to produce buy/sell signals.
- Conducts trades according to model output and tracks earnings.

Book Ecommerce Site   **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 Bootstrap 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.

Work Experience

Hardware Configuration Specialist | Fello | Butler, NJ   **March 2024 – Present**

- Configure hardware based on customer specifications.
- Develop custom software and google sheets scripts for internal use.
- Perform QC check on configuration changes; Identify discrepancies between the request and the implementation and resolve or initiate their resolution.

Skills

- Languages: Java, C++, Python, C#, TypeScript, JavaScript, R, CSS, HTML, MYSQL
- Frameworks/Libraries: React, Redux, Angular, NumPy, Pandas, Spring Boot, Node.js, Express.js, Spring MVC
- Other Tools: Git, MongoDB, Postman, WSL, Docker, Visual Studio, Visual Studio Code, IntelliJ Idea