

Jesse Peterson

Garfield, NJ | (201)-754-3446 | jesse@jimpeterson.dev

[!\[\]\(919a2cb85b99741a73c0c31a427236a8_img.jpg\) Portfolio](#) | [!\[\]\(c9cd5a1c35167a83f09a35036fe5dcbd_img.jpg\) LinkedIn](#) | [!\[\]\(ae1936640fabdea8c18f922ca69733fe_img.jpg\) GitHub](#)

Education

Georgia Institute of Technology, Atlanta, GA

2024 - Present

M.S. Computer Science

William Paterson University, Wayne, NJ

2020 - 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 a discover page with new releases and search functionality 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 purchase over 200,000 different books.
- Uses the Angular MUI library along with custom CSS animations to allow a seamless, interactive user experience.
- Provides authenticated login capability with different functionality depending on role type.
- Connects to two external APIs to provide a description of each book and produce links for acquiring more information.

Work Experience

Hardware Configuration Specialist | Fello | Butler, NJ

March 2024 – Present

- Develop custom HTML, CSS, and JavaScript software along with Google Apps Script code to assist in automating daily workflows.
- Configure hardware based on customer specifications.
- 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, R, TypeScript, JavaScript, CSS, HTML
- Frameworks/Libraries: React, Redux, Angular, NumPy, Pandas, Spring Boot, Node.js, Express.js, Spring MVC, Playwright
- Other Tools: Git, MYSQL, MongoDB, Apps Script, Postman, WSL, Docker, Visual Studio, Visual Studio Code, IntelliJ Idea