Yasin Waili

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EDUCATION

Carleton University — Ottawa, ON
Bachelor of Computer Science Honours, Minor in Statistics — *Sept. 2022 – 2026*
CGPA: 9.8/12

- **Relevant Courses:** Data Structures and Algorithms, Object-Oriented Programming, Databases, Web Development, Software Engineering, Systems Programming

PROJECTS

Boss Battle Game | *C++* — December 2024
- Developed a 2D game in C++ featuring a player versus a boss entity, with dynamic projectile mechanics and game-ending conditions for victory or defeat.
- Applied object-oriented principles such as encapsulation to manage character behaviors, inheritance to extend functionality, and polymorphism to handle diverse projectile behaviors.
- Designed and implemented a custom Linked List data structure to efficiently manage projectiles, ensuring smooth performance and dynamic gameplay.

Music Streaming Web Application | *JavaScript, Node.js, HTML/CSS, SQLite* — December 2024
- Developed a full-stack web application allowing users to create accounts, log in, and manage personalized playlists stored in a SQLite database.
- Implemented a search and playback feature, enabling users to query songs by title, artist, album, or genre, and play songs with album covers and metadata displayed.
- Designed a responsive user interface with JavaScript, HTML, and CSS, providing a seamless and interactive user experience.

Stock Data Analysis Tool | *Python, Flask, HTML/CSS, RESTful APIs* — August 2024
- Designed and programmed a stock data analysis tool that used APIs to fetch real time stock data, allowing users to analyze stocks.
- Set up a Python Flask server to handle web framework, which made use of HTML and CSS to create a user-friendly experience.
- Applied statistical models and machine learning to predict stock prices based on historical data, utilizing Python modules to implement linear regression algorithms, giving users the ability to make decisions based on predicted values.

WORK EXPERIENCE

Retail Associate — August 2021 – Present
DSW Designer Shoe Warehouse — *Ottawa, ON*
- Communicated effectively with customers to understand their needs, ensuring they found the correct shoe sizes and products.
- Collaborated with team members to manage often large shipments of new stock, ensuring that all new products are placed on the sales floor for customers.
- Trained new employees and new management within the stock team, teaching them standard work practices and how to manage inventory.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, R, HTML/CSS
Frameworks: Node.js, Express.js, Flask, Pygame, RESTful APIs
Developer Tools: SQL, SQLite, Git, GitHub, Qt, Visual Studio Code, Intellij IDEA, Linux, SPSS, SAS

AWARDS & ACHIEVEMENTS

OBEA International Business Contest Third Place: Awarded to the third place winner of the OBEA International Business Contest

Carleton University Enterence Scholarship: Awarded to students enrolling into the university with an average of 90%