

SEAN WOTHERSPOON

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TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, HTML5, CSS3, SQL, C, Python

Frameworks/Libraries: Swing, Angular, Angular Material, Leaflet, RxJS

Developer Tools/Technologies: Maven, Make, MSSQL

PROJECTS

Threat Reporting System | *Angular, Leaflet API, Hashify API* **December 2023**

- Developed a multifaceted web application for threat reporting in the Lower Mainland using Angular, resulting in a clean UI, decreased development time, and a seamless user experience
- Incorporated Hashify API to validate passwords, ensuring secure access for authorized individuals to edit, remove, and manage reports effectively
- Utilized Leaflet maps API and OpenStreetMaps to visualize reported incidents dynamically, providing a comprehensive overview of nuisance reports through an interactive map interface

Yelp Database Application | *Java, Swing* **December 2023**

- Developed an intuitive Java Swing GUI for seamless interaction with Yelp data, providing an intuitive user experience
- Established connectivity to an MS SQL database using JDBC, enabling secure and efficient data operations
- Implemented dynamic features to enhance interactive manipulation of Yelp data, yielding a more user-friendly and engaging experience for users.

Codenames | *Java, Swing* **May 2023**

- Successfully translated the renowned board game 'Codenames' into a digital format, expertly fusing UI design principles through Figma and Java Swing to achieve a flawlessly integrated and user-friendly experience
- Implemented the Factory Design Pattern in the development of the GUI, creating an abstraction layer for dynamic GUI component creation, which resulted in enhanced flexibility for accommodating diverse component styles, and significantly reduced development time, ultimately contributing to an improved user experience
- Collaborated effectively with my four team members, taking part in weekly meetings to discuss progress and plans for the week, culminating in a successful and cohesive project delivery that met all objectives and exceeded expectations

N-Puzzle Solver | *Java* **March 2023**

- Constructed a versatile Java application that efficiently solves N-Puzzles of varying dimensions by dynamically adjusting to puzzle input, resulting in efficient solving times
- Implemented a versatile solving approach that dynamically selects between the greedy A* and the regular A* algorithm, and a combination of heuristics, successfully solving the puzzles, guided by their respective sizes
- Devised an intuitive mechanism using parent-child relationships to deliver a clear and complete move sequence list leading to enhanced usability and user engagement with the solver

WORK EXPERIENCE

Personal Shopper **May 2023 - Present**

Real Canadian Superstore

Coquitlam, BC

- In my role as a key grocery picker, I consistently achieved a rate of 150 units per hour with a 98% item fulfillment rate through meticulous attention to detail, resulting in an improvement to the store's overall customer satisfaction and fulfillment rates
- As a concierge, I led a cohesive team utilizing exceptional time management skills to delegate loading duties based on the priority of orders leading to accurate order delivery and reduced waiting times for customers
- As an integral part of the loading team, I communicated politely and effectively with my team members and customers while swiftly loading orders resulting in faster delivery times and precise fulfillment of orders

EDUCATION

Simon Fraser University

Bachelor of Science, Computing Science

September 2021 – Present

Burnaby, BC