

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 web application for threat reporting in the Lower Mainland using Angular, decreasing development time, and providing 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 a fluid 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 an engaging experience for users

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

- Successfully translated the board game 'Codenames' using Java Swing to achieve a flawlessly integrated and user-friendly experience
- Implemented the Factory Design Pattern in the development of the GUI, enhancing flexibility in component creation and significantly reducing development time
- Collaborated effectively with a team, taking part in weekly meetings, culminating in the completion of all objectives and 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, to achieve efficient solving times
- Implemented an adaptable solving approach dynamically selecting between variants of the A* algorithm, to solve the puzzles, guided by their respective sizes
- Utilized parent-child relationships to deliver a 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

- Consistently achieved a rate of 150 units per hour with a 98% item fulfillment rate through meticulous attention to detail, improving the store's overall customer satisfaction
- Led a cohesive team utilizing exceptional time management skills to delegate loading duties based on the priority of orders reducing customer waiting time
- As an integral part of the loading team, I communicated politely and effectively with my team members and customers while swiftly loading orders increasing the precision of order fulfillment

EDUCATION

Simon Fraser University

Bachelor of Science, Computing Science

September 2021 – Present

Burnaby, BC