William Gumboc

778-708-1004 | wgumboc@gmail.com | linkedin.com/in/wgumboc | github.com/wgumboc

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Scala, Java, HTML, CSS
Frameworks/Libraries: Angular, React, RxJs, Mockito, Jest, Mocha/Chai
Developer Tools: Git, IntelliJ, VS Code, Jira, Postman, Command Line

EDUCATION

University of British Columbia — Vancouver, BC
Bachelor of Computer Science | 3.92/4.0 — *Sep. 2021 – May 2024*

University of British Columbia — Vancouver, BC
Bachelor of Applied Science, Chemical Engineering — *May 2018*

WORK EXPERIENCE

Software Developer Intern | *TypeScript, Angular, Scala* — Sep. 2022 – Aug. 2023
Visier — *Vancouver, BC*

- Contributed production code within an Agile development environment focusing on full stack development
- Delivered customer requested feature enhancements and resolved production bugs on time for weekly patches
- Implemented multi-user document editing which involved the addition of new user permissions, workflows, endpoints, version checking to ensure integrity, and access timeouts for security
- Created a reusable visual component to highlight changes to a client's configuration by leveraging the jsonpath library, and recursively querying the JSON diff generated by the automapping process
- Developed a proof-of-concept Slack Bot using Axios and the Bolt framework to connect users with Visier's generative AI feature in order to demonstrate accessibility and the simplicity of interacting with the product
- Collaborated with product managers, UX, and senior developers, and demoed features to the wider company
- Utilized Jest, FunSpec, and Mockito to implement comprehensive unit tests on both the frontend and backend to ensure reliability and maintainability while devising thorough test plan documentation to ensure robustness

Manufacturing Quality Control Supervisor — June 2019 – July 2021
PepsiCo. — *Delta, BC*

- Led a team of 25 in batching operations, filling operations, product innovation integration, and food safety
- Improved annual product yields by $191,000 through data analysis and optimizing process parameters

Supply Chain Operations Associate — June 2018 – June 2019
PepsiCo. — *Delta, BC*

- Led the Early Management team responsible for plant side integration and vertical startup of product innovations
- Reduced material availability downtime by 12% by automating scheduling and purchasing sheets with VBA code

PROJECTS

Game Development Project | *C++, OpenGL* — Sep. 2023 – Dec 2023

- Developed a dynamic platformer game as part of a team of 6, utilizing the entity component system (ECS)
- Implemented heuristic-based enemy pathfinding to pursue the player through levels and navigate obstacles
- Applied knowledge of physics and math principles such as Bezier splines to implement realistic game elements

Insight UBC | *TypeScript, React* — July 2022 – Aug 2022

- Designed a web application as part of a team of 2 that retrieves user specified UBC course and room information
- Utilized recursive calls to apply string matching, number comparison, and boolean operations to the dataset

Transit Manager | *JavaScript, React, SQL* — July 2022 – Aug 2022

- Created a React application to retrieve, manipulate and present data from a PostgreSQL database via SQL queries

Course Progress Dashboard | *JavaScript, React, Axios, MongoDB* — May 2022 – June 2022

- Created a web app using React and an Express framework that allows users to track and calculate grades
- Implemented functionality to update data using the Axios library to make CRUD requests to a REST API