

EDUCATION

Simon Fraser University (SFU)

Sep 2018 – Aug 2021

Bachelor of Science in Computer Science; In-Major GPA: 3.48

- **Courses:** OOP in Java, Data Structures, Algorithms, Databases, UI Design, Networking, Operating Systems

EMPLOYMENT

Kids Shield Services Inc.

Jan 2022 – Present

Web Developer Intern

- Designed and developed front-end components using Joomla and JavaScript on the Kids' Shield website
- Integrated user-submitted forms to a MySQL database to store information like a mailing list for customers
- Improved page load times by 40% (1.3s to 0.8s) on average using script compression and page caching

Provincial Health (PHSA)

Sep 2020 – Dec 2020

BI Developer Intern

- Developed employee-related data reports and visualizations using SQL and SQL Server Reporting Services (SSRS) to extract data-driven insights for PHSA's HR department
- Debugged and improved the runtime of SQL scripts by 25% on average using query optimization
- Refactored 5+ broken data reports, allowing them to be used again for business decisions
- Tested and deployed changes to tables, views, and stored procedures on PHSA's production databases, affecting 100+ million records of data
- Communicated with analysts from partner health authorities to gather and fulfill business requirements

PROJECTS

Story Time, MongoDB, Express, React, Node.js

- Created a social media [web application](#) where users can create, and share posts called "stories"
- Developed interactive features like searching, sorting, liking, and commenting on stories
- Configured user authentication using Google OAuth 2.0 and JSON Web Tokens with hashed passwords
- Implemented pagination and image compression to reduce page load times by over 50% on average

SFU Restaurant Finder, PostgreSQL, Express, JavaScript, Node.js

- Created a [web application](#) where users can find and review restaurants on SFU's Burnaby campus
- Acted as a front-end developer and the main test developer on a team of five using Agile methodology
- Acted as the team's product owner every iteration by designing user stories and managing product backlog
- Developed an automated test suite using Mocha.js and Chai to test CRUD methods

SFU Course Planner, Java, Spring Boot, JavaScript

- Developed a REST API in Java that parses SFU course data from a CSV file and stores it on the server
- Implemented CRUD methods using Spring Boot, allowing users to modify their course schedule on the client

COVID-19 Data Mining, Python

- Developed a Python script that uses data mining techniques on a COVID-19 dataset for data analysis
- Trained and tuned machine learning models like XGBoost and Random Forests to predict patients' COVID-19 status on unseen data, achieving an 80% prediction accuracy on 300+ thousand patients

TECHNICAL SKILLS

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

Technologies: React, Node.js, Express, Redux, MongoDB, PostgreSQL, Mocha.js, Jest, Spring Boot

Tools: Git, Azure DevOps, Jira, Trello, Microsoft SSMS/SSRS