

MARTIN WONG

📍 Vancouver, BC | ✉️ mwa147@sfu.ca | 🌐 Mighty303 | 🌐 Portfolio

TECHNICAL SKILLS

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

Frameworks/Libraries: React.js, Express.js, Node.js, Mongoose, Material-UI, Tailwind

Developer Tools/Technologies: Git, Webpack, MSSQL

WORK EXPERIENCE

Software Developer Intern

Jul 2023 - Present

Avena Tech Corporation | Node.js, HTML, CSS, Javascript

Vancouver, BC

- Redesigned websites in Figma and developed them in React and Tailwind improving load times by over **75%**
- Developed and integrated REST API endpoints using Express and MongoDB, successfully migrating over 60 Wordpress blogs to a new, efficient platform for future blogs
- Successfully diagnosed and resolved complex issues with WordPress websites, including troubleshooting plugin conflicts, database connectivity problems, and server-related issues to improve load times
- Coordinated 8 client meetings to discuss requirements and design changes, ensuring alignment with client needs and adherence to Nielsen Norman Group's UX/UI principles

Undergraduate Research Assistant

Apr 2023 - Sept 2023

Simon Fraser University | C#, Python, Unity

Vancouver, BC

- Developed Unity simulations in C# for IMU sensor data in order to analyze whether it accurately matches the real world, allowing researchers to see how good their machine learning models are
- Collected XYZ and rotational data generated from training data generated by the T2M-GPT model in order for researchers to identify joints of motion to increase accuracy to real human motion
- Collaborated with graduate students from SFU and Dartmouth College under the supervision of Dr. Xing-Dong Yang

Technical Support

Aug 2021 - Aug 2023

Auphan Software

Vancouver, BC

- Resolved 1000+ tickets for POS software systems, payment processor integration, and software installation with big North American companies
- Collaborated with sales, development, and technical support teams to communicate regression reports and ensured tracking and support until resolution
- Troubleshooted database and server outages involving Apache, PostgreSQL, and pgbouncer

PROJECTS

Kanban Planner | MongoDB, Express, React, Node

Apr 2022

- Developed and deployed a fullstack Kanban Planner app which allows users to manage their tasks and projects in an organized and efficient way, using REST APIs and Mongoose for connecting Node and MongoDB
- Used Material UI and react-beautiful-dnd for CRUD operations, allowing users to create, move, delete tasks
- Implemented robust client and server-side form validation using AJV, a JSON schema validator library, to ensure data integrity and maintain high standards of data purity in the web application

Command-line Document Handler | Java

Apr 2022

- Developed a document handler GUI simulated in a command-line interface using Java, featuring document creation, opening, closing, resizing
- Designed a UML diagram showcasing 6 key classes, abstract classes, inheritance, and polymorphism reducing development time with reduced complexity

Sudoku Solver | Java

Oct 2021

- Implemented a recursive Sudoku Solver in Java using the backtracking algorithm; optimized to solve various puzzle complexities, ensuring robustness and computational efficiency
- Engineered a custom algorithm to validate Sudoku puzzles across rows, columns, and 3x3 grids, incorporating advanced programming concepts and data structures for effective puzzle analysis

EDUCATION

Simon Fraser University

May 2022 - Jun 2025

Bachelor of Science, Computing Science

Burnaby, BC

Langara College

Sept 2021 - May 2022

Associate of Science, Computer Science (Dean's Honour roll)

Vancouver, BC