

Woody (Wendi) Xiao

204-881-3703 | wendix@sfu.ca | LinkedIn | Github

TECHNICAL SKILLS

Programming Languages: JavaScript/TypeScript, Python, PHP, Java, MySQL

Frameworks: React/Redux, Flask/Django, Express

Libraries & Tools: Junit, Selenium, Tailwind CSS, MUI, Bootstrap, Postman, Git, Linux, Jira

PROJECTS

SFU Course Scheduler

Jan 2024 – Present

School Project, Simon Fraser University, Burnaby

React, Axios, Tailwind CSS, Netlify

- Designed and implemented customized weighted interval scheduling algorithms so that could support a course with multiple times or dates.
- Developed a feature that assists students in selecting and prioritizing courses for their academic schedules, automatically resolving any time conflicts to streamline course planning.
- Utilized Axios, React, and Tailwind CSS to retrieve and display data for all SFU courses, effectively designing and optimizing the website's components and layout.

N9M Validator

Sep 2023 – May 2024

Co-op project, Gatekeeper System Inc.

JavaScript, Python, Flask,

- Created a copy feature and JSON formatter and created multi-file upload drag-and-drop features.
- Developed a progress bar and time remaining component for DVR raw data processing.
- Enhanced DVR raw data decoding capabilities from single-day to multi-day selection by implementing a task processing queue.
- Updated the automation testing interface to increase flexibility, enabling users to effortlessly create and manage customized test cases.

Vancouver Public Art Website

Sep 2021 – Dec 2021

School Project, Simon Fraser University, Burnaby

jQuery, Ajax, PHP, MySQL

- Developed and designed the Vancouver Public Art website to promote the exploration of artworks throughout the city of Vancouver by implementing JavaScript, and PHP.
- Designed and created relational databases and schemas for functionalities of authentication, comment, rating, profile setting etc.
- Built a live searching function and filter function for users to search different type artworks.

EXPERIENCE

Junior Software/System Tester Co-op

Sep 2023 – May 2024

Gatekeeper Systems Inc.

Abbotsford, BC

- Managed and enhanced the N9M validator project using Python and Flask by incorporating new features and fixing bugs.
- Implemented DVR firmware/software compatibility testing and participated in development and design meetings, aiding in the strategic planning of test procedures.
- Developed and maintained automated testing Python scripts, Improved testing workflow efficiency and accuracy by 50%.
- Collaborated closely with the team using JIRA for ticket tracking and task management.

Full Stack Developer Internship

May 2022 – Dec 2022

M2W IT Solution

Toronto, ON

- Engineered advanced features including a global product filter and a comment system supporting image uploads, utilizing React Hooks and Redux for efficient state management.
- Implemented secure user authentication using JSON Web Tokens (JWT) to enhance system security and user experience.
- Designed and executed the system's routing schema and RESTful APIs, improving the application's architecture and data flow.

EDUCATION

Simon Fraser University

B.S. in Computer Science

Burnaby, BC

Sep 2019 – Present