

SEAN WOTHERSPOON

☎ 604-506-8177 | ✉ sgw6@sfu.ca | 🔗 linkedin.com/in/seanwotherspoon | 🌐 github.com/Seanspoons

SKILLS

Languages: Java, Python, TypeScript, JavaScript, SQL, HTML5, CSS, C, C++

Frameworks/Libraries: Angular, Next.js, React, Django, TailwindCSS, Tesseract

Developer Tools/Technologies: Git, PostgreSQL, RESTful APIs, Docker, Nginx, Oracle Cloud Infrastructure (OCI), Linux, MSSQL, Microsoft Azure, Maven

TECHNICAL EXPERIENCE

Director of Technology

October 2024 - Present

SFU Open Source Development Club

Burnaby, BC

- **Recruited** and **trained** coordinators, implementing an on-boarding process to ensure **team readiness** and efficient role assignment
- **Led** development of a **documentation tool**, helping new members learn **technical skills** and contribute **effectively** to projects
- **Provided technical support** to project leads, guiding successful project execution through **best practices** and **technology advice**

Software Engineer Intern

October 2024 - November 2024

ViRA360

Vancouver, BC

- **Engineered** the Smart Productivity Analyser, a Next.js web app, integrating **user-driven surveys** with dynamic report generation to deliver **personalized** productivity insights
- **Developed** interactive survey features with **automated analysis**, enabling **personalized productivity reports** based on user responses
- **Collaborated** with senior team members to implement new features and **ensure** a positive user experience

Web Developer

October 2024 - November 2024

Downhole Battery Inc.

Calgary, AB

- **Collaborated with a team** to develop a static website showcasing company information, a contact form, and a map feature
- Designed and implemented **user-friendly** interfaces using **HTML, CSS, JavaScript**, and **Figma**
- Utilized **best practices** to ensure **responsive** and optimized performance across various devices

PROJECTS

Mealpository | Angular, Django, PostgreSQL, Docker, Tesseract, Nginx, OCI, TailwindCSS

August 2024

- **Engineered and deployed a full-stack recipe management platform** using **Angular** and **Django**, containerized with **Docker**, and hosted on **OCI** with **PostgreSQL** for scalable and efficient deployment
- **Configured Nginx** as a reverse proxy with **SSL/TLS** integration for secure connections, improving the platform's reliability and security
- **Automated recipe text extraction** with **Tesseract**, enhancing the user experience by reducing manual data entry efforts by **80%**

TypeAid | React, Django, TailwindCSS

March 2024

- Constructed a **web-based text editor** with a **custom keyboard interface** to enhance accessibility for users with motor disabilities
- Implemented **Token Authentication** to protect user data and preferences, ensuring robust protection
- Developed a **machine learning model** using N-grams for predictive text, reducing keystrokes by **60%**, significantly enhancing the typing experience

EDUCATION

Simon Fraser University

September 2021 – May 2026

Bachelor of Science, Computing Science

Burnaby, BC

Relevant Coursework: Data Structures & Algorithms, Software Development Practices, Database Systems, Web Development, User Interface Design, Computer Architecture, Biomedical Computing Methods