

BLAKE STEWART

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TECH SKILLS

Programming: Python, C, Java

Data Analysis: MATLAB, MS Excel

Web Development: HTML, CSS, JavaScript, React

Operating Systems: Unix / Linux, MS Windows, Mac OSX

Productivity Tools: MS Office (Word, Excel, PPT, Outlook), Google Suite (Docs, Sheets, Gmail), Zoom, Teams

Software: Visual Studio, Git

EDUCATION

Bachelor of Science - Computer Science | University of Victoria, BC

Sep 2020 - Present

- Relevant courses:

Algorithms, Architecture, Data Structures, Database Systems, Graphics, HCI, and Software Development

PROJECTS

Portfolio Website | Personal (React, Javascript, CSS, HTML, Git)

Dec 2024 - Jan 2025

- **Developed a responsive website** applying Human-Computer Interaction principles to create a clean and user-friendly interface that effectively showcases skills, experience, and projects.
- **Enhanced front-end development skills** by leveraging modern React practices and incorporating insights from concepts learnt through courses, resulting in a professional platform tailored to visually display competencies.
- **Optimized user experience** by iteratively refining design elements and implementing responsive layouts, ensuring accessibility across devices and aligning with industry standards for web development.

Database-Driven Application Title | Course (PostgreSQL, Python, Psycpg2, Git, Markdown)

Jan 2024 - Apr 2024

- **Designed and implemented** a text-based Python application to support the operations of a hypothetical company demonstrating real-world applications in database interaction, volunteer management, and campaign planning.
- **Integrated PostgreSQL functionality** using psycpg2 for parameterized queries, transaction management, and error handling, ensuring reliable data storage and retrieval in a simulated organizational context.
- **Optimized campaign management** by enabling users to add volunteers, schedule events, track donations and costs, and review membership history, providing insights through both textual outputs and ASCII-based visualizations.
- **Enhanced user experience** with a modular, intuitive menu system and input validation via regular expressions, ensuring clarity and usability for organizational tasks while modelling scalable solutions for non-profit operations.

VikeCTF | Personal (Python, Wireshark, BurpSuite, SQL Injection)

Mar 2024 - Mar 2024

- **Organized** task distribution based on individual strengths and fostering effective communication, resulting in the successful resolution of complex CTF challenges under deadlines.
- **Applied technical skills** in Wireshark, Python scripting, SQL injection, and BurpSuite to address cybersecurity, cryptography, web exploitation, and binary analysis problems, demonstrating innovative problem-solving skills.

PROFESSIONAL EXPERIENCE

Seasonal Outside Worker | City of Richmond | BC

May 2022 - Sep 2024

- **Led crews** in the installation and maintenance of road markings, traffic signage, and traffic control measures, ensuring timely completion of projects to support public safety and efficient road usage.
- **Streamlined daily operations** by facilitating safety tailgate talks, enforcing adherence to safety protocols, and providing clear direction to team members, resulting in a consistent record of incident-free workdays.
- **Ensured operational accountability** by preparing detailed daily reports and timesheets, contributing to accurate project tracking and resource management for the department.
- **Demonstrated strong communication and leadership skills**, fostering collaboration among team members to meet deadlines and deliver high-quality work while maintaining a safe, productive and enjoyable work environment.