William Ramsay

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EXPERIENCE

Over the Edge   April 2025 – Present

Process Engineer Intern   Remote

• Analyzed existing manual processes and identified key bottlenecks, resulting in targeted automation solutions that improved overall workflow efficiency

• Troubleshot technical issues during workflow implementation and developed robust error-handling procedures

• Designed and deployed a PowerAutomate workflow to streamline user submissions, significantly reducing manual effort and improving efficiency

UNBC   September 2022 – April 2023

Computer Science Teaching Assistant   Prince George, BC

• Provided technical support and training to students on programming and system concepts

• Assisted in debugging and resolving technical issues in a classroom environment

• Delivered clear and concise explanations to users of varying levels of technical expertise and understanding

Ministry of Forests   May 2021 – August 2022

Administrative Assistant   Williams Lake, BC

• Supported departmental IT needs, including hardware troubleshooting and software updates

• Coordinated disposal and recycling of outdated hardware and supplies

• Supported the Williams Lake fire centre during fire season, working independently and under pressure

EDUCATION

University of Northern British Columbia   Sept 2019 – May 2023

B.Sc., Computer Science   Prince George, BC

• Focus: Data Science, Software Engineering.

Simon Fraser University   Sept 2024 – May 2028

B.Sc., Mechatronics System Engineering   Surrey, BC

PROJECTS

MTG Card Scraper   2024

A web scraper that collects data on Magic The Gathering cards from various online sources, including card names, types, abilities, and prices.

Technologies - Python, BeautifulSoup, Requests, Pandas

Personal Server   2025

Built and configured a dedicated server from repurposed hardware. The server hosts various services, including a personal website, file storage, and media streaming.

Technologies - Proxmox, Docker, Nginx, Linux

Home Network Infrastructure   2025

Designed and implemented a segmented home network with separate VLANs for IoT devices, servers, and personal devices. Configured secure remote access and wireless infrastructure for optimal performance and security.

Technologies - VLANs, Tailscale, Network Access Points, Router Configuration, Network Security

Resume Builder (Contributor) 2025

Contributed to an open-source resume builder application by developing a tagging and filtering system to help users organize and filter job roles based on custom tags.

Technologies - Python, typr, yaml

PROFESSIONAL DEVELOPMENT

Applied Internet of Things (IoT) May 2023
British Columbia Institute of Technology Remote

CERTIFICATIONS & SKILLS

Skills: C/C++, Linux, Bash, Power Automate, Python, Java, HTML/CSS, JavaScript, Git, SQL, Proxmox, Docker, Sharepoint