

Dave Hall

<https://www.davewjrh.ca>

SUMMARY

Computer Science student with a security-first mindset and a passion for investigative problem-solving. Demonstrated expertise in Linux infrastructure and rigorous debugging through self-hosted system deployment. Seeking to apply a methodical, detail-oriented approach to cybersecurity and software engineering challenges within the public sector.

EDUCATION

Bachelor of Computer Science Honours (Cybersecurity Stream)

2023 - Present

Carleton University

Computer Programmer/Analyst Advanced Diploma

2013 - 2015

Sault College

TECHNICAL SKILLS

- Developed a strong foundation of web development methodologies using HTML, CSS, and JavaScript to create basic web applications including an assignment submission server, user login authenticator, and student record database
- Currently learning Docker containerization and Tailscale VPN through the development of a rudimentary media and minecraft server using headless Linux on a Raspberry Pi

COMMUNICATION SKILLS

- Provided clear documentation using README files and block comments within all coding projects and assignments for the purposes of code explanation and maintenance
- Assisted classmates with understanding object-oriented programming principles and design best-practices using the Python programming language
- Used Microsoft Teams to collaborate with peers on group projects, as well as Git for version control and team access

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WORK EXPERIENCE

Website Administrator

2021 - Present

The Corporation of the Township of Pickle Lake

- Managed website improvements and routine maintenance for the Township of Pickle Lake using WordPress CMS.
- Conducted security updates to ensure the website remained safe and relevant for the community.
- Implemented feature requests and user feedback to enhance user experience and engagement.

Website Consultant

2023 - 2024

Carleton University

- Enhanced website functionality through search engine optimization and custom HTML/CSS styling.
- Provided ongoing website maintenance and troubleshooting using WordPress to keep content current.
- Developed backlinks to improve site visibility and user engagement.

IT Consultant & Field Technician

2015 - 2023

Self-Employed

- Provided comprehensive technical support to the township of Pickle Lake, ensuring seamless IT operations.
- Collaborated with regional internet service providers to enhance service delivery and resolve connectivity issues.
- Assisted in troubleshooting hardware and software problems, improving user satisfaction and system reliability.

Database Administrator

2015 - 2015

Keewatin-Patricia District School Board

- Managed the reconfiguration and maintenance of production databases, ensuring data confidentiality and integrity.
- Developed and implemented in-house software solutions, enhancing application support and troubleshooting capabilities.
- Provided expert support for network and server issues, contributing to overall system reliability.