







## Contact Information

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 <https://github.com/Canine-Table>

## Systems



- ➔ **Arch Linux**: Extensive experience in configuring and maintaining Arch Linux systems, including using the Arch User Repository (AUR) and managing packages with 'pacman'.
- ➔ **FreeBSD**: Skilled in installing, configuring, and managing FreeBSD systems, including using the ports collection and managing services with 'rc.d'.
- ➔ **Red Hat Enterprise Linux (RHEL)**: Experienced in deploying and managing RHEL systems, including using 'yum'/'dnf' for package management and configuring SELinux for security.
- ➔ **Raspberry Pi OS**: Skilled in setting up and managing Raspberry Pi devices, including using GPIO for hardware projects and configuring software packages.
- ➔ **openSUSE**: Experienced in installing and configuring openSUSE, including using YaST for system management and 'zypper' for package management.
- ➔ **Alpine Linux**: Skilled in configuring and managing Alpine Linux systems, including using 'apk' for package management and creating secure, minimal Docker images.
- ➔ **Debian**: Extensive experience in managing Debian systems, including using 'apt' for package management and configuring system services.
- ➔ **Gentoo**: Experienced in compiling and managing Gentoo systems, including using 'emerge' for package management and customizing build configurations.
- ➔ **OpenWRT**: Skilled in flashing and configuring OpenWRT on routers, including installing packages and customizing network settings.



## Programming



- ➔ **C:** Extensive experience in developing efficient and optimized code for system programming, embedded systems, and performance-critical applications.
- ➔ **C++:** Skilled in using C++ for both system-level programming and application development in game development and real-time simulation.
- ➔ **Java:** Proficient in building robust, scalable enterprise applications, Android apps, and web applications.
- ➔ **Python:** Adept at utilizing Python for web development, data science, machine learning, automation, and scripting.
- ➔ **Perl:** Experienced in scripting, text parsing, and system automation, with strong text processing capabilities.
- ➔ **PHP:** Skilled in backend web development, creating dynamic web pages, and integrating with databases.
- ➔ **Ruby:** Proficient in web application development using Ruby on Rails, scripting, and automation.
- ➔ **Bash:** Experienced in writing scripts for system automation and task management.
- ➔ **AWK:** Skilled in data processing, pattern scanning, and scripting for data extraction and reporting.
- ➔ **Lua:** Experienced in scripting for game development, embedded systems, and extending applications.
- ➔ **TeX/LaTeX:** Proficient in using LaTeX for academic and technical writing, creating complex documents with mathematical content.
- ➔ **Vim Script:** Skilled in writing Vim scripts to customize and extend the functionality of Neovim/Vim, creating custom plugins and configurations.



## Tools and Technologies



- ➔ **Neovim**: Skilled in configuring and customizing Neovim with Lua and Vim script to enhance productivity and streamline development workflows.
- ➔ **Git**: Experienced in using Git for source code management, branching, merging, and collaboration in a team environment.
- ➔ **Docker**: Proficient in creating, managing, and deploying Docker containers. Experienced in writing Dockerfiles and managing Docker Compose files.
- ➔ **Podman**: Skilled in using Podman for container lifecycle management, including building, running, and pushing containers.
- ➔ **runc**: Experienced in using runc as a container runtime for running and managing containers.
- ➔ **containerd**: Proficient in using containerd for container orchestration and management within Kubernetes clusters.
- ➔ **iproute2**: Skilled in using iproute2 tools for network configuration, routing, and traffic shaping.
- ➔ **nftables**: Experienced in using nftables for creating complex firewall rules and managing network security.
- ➔ **Extended Berkeley Packet Filter (eBPF)**: Skilled in using eBPF for network performance analysis, monitoring, and enhancing security.
- ➔ **Buildah**: Proficient in using Buildah to create and manage container images, ensuring security and compliance.
- ➔ **crun**: Experienced in using crun as a container runtime to efficiently manage containerized.



## Databases and ORM Frameworks



- ➔ **MariaDB**: Extensive experience in setting up, managing, and optimizing MariaDB databases. Skilled in writing complex SQL queries, stored procedures, and triggers.
- ➔ **SQLite**: Skilled in integrating and using SQLite for local storage in applications. Experienced in designing database schemas and optimizing queries for performance.
- ➔ **MongoDB**: Proficient in designing, implementing, and managing MongoDB databases. Experienced in using MongoDB for storing and querying JSON-like documents and performing aggregation operations.
- ➔ **SQLAlchemy**: Skilled in using SQLAlchemy to interact with databases, define models, and perform complex queries. Experienced in integrating SQLAlchemy with various databases like

## Certifications

### First Aid Certifications

- ➔ Airway Management
- ➔ Bronze Star
- ➔ Bronze Medallion
- ➔ Bronze Cross
- ➔ WSI Part I
- ➔ WSI Part II
- ➔ NLS (National Lifeguarding Society)
- ➔ AODA online training



## Education



### Algonquin College - Computer Systems - Networking

- ➔ CST8378 Advanced Enterprise Networking
- ➔ CST8249 Network Security
- ➔ CST8317 Wireless Network Fundamentals
- ➔ CST8248 Emerging Technologies
- ➔ CST8371 Intro to Enterprise Networking
- ➔ CST8342 Windows Enterprise Administration
- ➔ CST8206 Foundation of IT Service Management
- ➔ CST8246 Network Services Administration
- ➔ SCI2200 DyNAmic DNA: You are not alone
- ➔ CST8245 Database Management and Interfacing
- ➔ CST8305 GNU/Linux Server Administration
- ➔ CST8208 PC System Technology
- ➔ CST8315 Routing and Switching Fundamentals
- ➔ CST8200 Windows Domain Administration
- ➔ MAT8002 Numeracy and Literacy
- ➔ ENL1813T Communications I
- ➔ CST8300 Achieving Success in Changing Environment
- ➔ CST8207 GNU/ Linux System Support
- ➔ CST8182 Networking Fundamentals
- ➔ CST8202 Windows Desktop Support



## Work Experience



IT Assistant to a Doctoral Researcher



University of Sheffield, Sheffield, South Yorkshire, England

- ➔ Provided technical support and assistance to a doctoral researcher, ensuring smooth operation of computing resources and research tools.
- ➔ Assisted in setting up and maintaining hardware, software, and network configurations.
- ➔ Developed and implemented scripts to automate repetitive tasks, improving overall efficiency.
- ➔ Troubleshoot technical issues and resolved them promptly to minimize disruption to the research process.
- ➔ Collaborated with the researcher to ensure data integrity and security during the research project.



Instructor



Canterbury Recreation Complex, Ottawa, Ontario, Canada

- ➔ Designed and delivered engaging and informative lessons for students ranging from beginners to level 9.
- ➔ Created customized lesson plans to meet the diverse needs and skill levels of students.
- ➔ Utilized a variety of teaching methods and tools to facilitate learning and keep students motivated.
- ➔ Monitored student progress and provided constructive feedback to help them improve their skills.
- ➔ Organized and conducted practical sessions, demonstrations, and hands-on activities to enhance learning experiences.
- ➔ Fostered a supportive and inclusive learning environment to encourage student participation and engagement.
- ➔ Collaborated with other instructors and staff to ensure a consistent and high-quality learning experience for all students.



## Web Development



- ➔ **JavaScript**: Skilled in using JavaScript to enhance user interfaces, handle events, and perform asynchronous operations.
- ➔ **CSS**: Experienced in writing clean, efficient CSS to style web pages, including using modern techniques like Flexbox and Grid.
- ➔ **HTML**: Proficient in writing semantic HTML to create accessible and well-structured web pages.
- ➔ **jQuery**: Skilled in using jQuery to streamline JavaScript development and enhance web applications.
- ➔ **Flask**: Experienced in building web applications using Flask, including routing, templating, and integrating with databases.
- ➔ **Ruby on Rails**: Proficient in using Ruby on Rails to create full-stack web applications, including ORM, migrations, and.
- ➔ **Sass**: Skilled in using Sass to write modular and maintainable stylesheets, enhancing productivity and consistency in web.

## Websites

<https://canine-table-brave-startup-page.onrender.com/>