

Professional Summary

Enthusiastic computer science graduate with a strong emphasis on technology and networking, ready to offer expertise in technology, networking, and analysis to a vibrant team and a passion for developing creative and user-friendly solutions.

Skills

- **Hardware & Software:** Expertise in diagnosing and resolving desktop, laptop, and peripheral issues.
- **Networking:** Knowledge of TCP/IP, DNS, DHCP, basic network troubleshooting, and LAN/Wi-Fi configuration.
- **Security:** Experience with password resets, antivirus updates, and basic IT security practices.
- **Web Development:** HTML, CSS, JS, Node.js, Express, React, and WordPress for developing dynamic applications and managing websites.
- **Data Science & Machine Learning:** Python (Pandas, NumPy, Scikit-learn), and data visualization tools like Matplotlib, Seaborn, and Streamlit.
- **Technical Tools:** Proficient with Git, GitHub, Bash, and Microsoft Office.
- **Other Skills:** SQL (MySQL, Oracle SQL), Python(general), C++, Figma(UI/UX design), Trello(Project Management), UML Diagrams.

Projects

- **Advance Driver Assistant System** | MERN, Docker, Raspberry Pi4, TensorFlow **Sep 2024 – Current**
 - Assistant Driver System equipped with different modes enables the driver to be more aware of the surroundings, preventing accidents and ensuring safer driving experiences by providing real-time alerts and assistance.
 - MERN stack has been implemented in software development, with Raspberry Pi 4 as the hardware core primarily used for reading vehicle data and processing sensor inputs for further analysis.
 - The system integrates advanced object detection algorithms using a TensorFlow model, enabling features like lane detection and collision avoidance to enhance driver safety.
- **Carbon Scan** | MERN, Flask, Scapy, Bleak **July 2024 – Current**
 - Network detector software scans devices available on the LAN and via Bluetooth, displaying their status and key details like IP and MAC addresses.
 - MERN stack is used alongside external libraries such as Bleak for Bluetooth scanning, Scapy for network packet analysis, and Mac Vendor Lookup for device identification.
 - Software is being developed as a tool for Carbon Networks to monitor, manage, and maintain clients' network infrastructure efficiently.
- **Bubble** | MySQL, HTML, CSS, JS, Express.js, Bcrypt, Flask, Node.js, BASH **Jan 2024 – April 2024**
 - Student-focused information system-based web application that focuses on networking with both people and groups.
 - Developed based on system analysis and development techniques by which users establish or join a chat room to communicate with others.
 - BASH file has been implemented to automate the initializing servers and connecting them, then starting the program.
- **Campus Connect** | HTML, CSS, BASH, Python, Bootstrap, Django **Sep-Dec 2023**
 - Web Application focused on students connecting and exploring other departments and courses.
 - The application had various features, including posting features, interacting with other departments, and interacting with specific course students.
 - Agile software development technique was used with make file for automation.

Volunteering

- **Information Desk and Experience Volunteer** - Island Health (NRGH) **Jul 2024 - Current**
- **Tutor** - Coding Club (VIU) **Feb – April 2024**
- **International Representative** - CS Club (VIU) **2022- 2023**

Work Experience

Computer Hardware Technician Great River Financial Service Inc <i>Casual</i> <ul style="list-style-type: none">• Communicate with clients based on the task and schedule an appointment.• Troubleshoot and test hardware based on the task and perform a report.• Switch the old components with the new components when needed and perform flashing using the flashing tools writing model details into the system.	Sep 2024 - Current
Field Service Engineer Carbon Networks <i>Casual</i> <ul style="list-style-type: none">• Designing network setup for the given area.• Calibrating and mapping cables with respective ports and plug points.• Installing, organizing and upgrading equipment.	Jan 2024 – Current
Cashier Super Save Disposal <i>Part-Time</i> <ul style="list-style-type: none">• Greet customers, process payments, and provide excellent service at the gas station.• Assist with fueling vehicles, maintaining the station, and stocking shelves.• Ensure cleanliness, safety, and efficient operation of the gas station.	May 2023 - Current

Education and Certifications

<ul style="list-style-type: none">• Diploma in Computer Science, Vancouver Island University<ul style="list-style-type: none">• Coursework: Networking and Management, Software Engineering, Testing, Human-Computer Interaction and Design, Object Oriented Programming, Development Diagrams, Calculus, Database Systems, Data Structures, Logic and Foundations.	2022-2024
<ul style="list-style-type: none">• The Complete Web Developer(Udemy)<ul style="list-style-type: none">• Skills Obtained: HTML, CSS, JS, NPM, React, Node.js and Databases	Dec 2023
<ul style="list-style-type: none">• Machine Learning for Data Science(Udemy)<ul style="list-style-type: none">• Skills Obtained: Data Cleaning, Processing, Visualization, and Data Analysis techniques and Advanced Excel	Feb 2022

Research

- **Safeguarding Tomorrow's Data Landscape: *Young Digital Citizens' Perspectives on Privacy within AI Systems***
Jul 2024 – Apr 2025 expected
 - This project seeks to comprehensively explore privacy within AI systems, with a particular focus on the perspectives of young digital citizens aged 16-19.
 - Project is funded by the [Office of the Privacy Commissioner of Canada's \(OPC\) Contributions Program](#).
 - Overarching goal is to gain a deep understanding of Young Digital Citizens' Perspectives on privacy within AI systems and, based on this understanding, contribute to developing guidelines that foster responsible and privacy-centric practices in AI applications.