

Skills

- Proactive self-starter with a strong ability to take the initiative and execute new ideas and strategies, resulting in successful project outcomes and improved team performance.
- Adaptable and able to quickly learn, deal with ambiguity, implement new technologies, and solve complex technical problems.
- Proven ability to analyze complex data, identify issues, and develop creative solutions to drive process improvements and increase efficiency.
- Exceptional in written and verbal communication, demonstrated through effective presentation skills, active listening, and clear and concise email correspondence.
- Highly skilled in managing multiple projects and priorities, utilizing organizational tools and prioritization techniques to consistently meet deadlines and exceed expectations, even in fast-paced environments.

Experience

IT Operations • Co-op

The City of Vaughan Toronto, Ontario Sep 2021 - Apr 2022

- Created with **Power BI** (M query): interactive KPI dashboards, reports, charts to support informed decision making in the IT Team. Worked with Eclipse PPM to help manage team projects and resources, regularly monitoring project progress and resource allocation.
- Gained scripting capability of running Python code and scripts within Power BI to analyze data with the help of Pandas and Matplotlib libraries, enabling data-driven insights and enhanced decision-making processes.
- Collaborated with cross-functional teams to troubleshoot and resolve technical issues, ensuring minimal downtime and enhanced user experience. Conducted weekly meetings on Microsoft Teams to discuss ongoing projects, updates, and potential issues.
- Assisted in the implementation and maintenance of IT infrastructure, including network devices, servers, and software applications, actively identifying areas for improvement and suggesting solutions.
- Diligently participated in IT project planning, prioritizing tasks, and allocating resources to meet project deadlines and expectations. Regularly provided progress reports and updates to team leads, ensuring transparency and effective communication throughout the project lifecycle.

Web Developer

Freelance

Toronto, Ontario Sep 2021 – Apr 2022

- Developed custom WordPress websites for small businesses utilizing Elementor, **HTML**, **CSS**, **JavaScript**, and e-commerce functionality.
- Improved site's SEO and delivered modern, professional websites that effectively showcased their products and services.
- Provided clients with website maintenance, updates, and troubleshooting services, ensuring optimal website performance and user satisfaction.
- Worked closely with clients to gather requirements and translate their vision into functional and visually appealing websites.
- Implemented website analytics tools to track user engagement and identify areas for improvement, optimizing the user experience and driving increased web traffic.

Education

Computer Engineering Technology **Seneca College** *Toronto, Ontario* **Sep 2020 – Apr 2023**

- Advance Diploma in ECT.

Projects

- **Computer Vision:** Developed a web-based, trainable hand gesture recognition project using Python3, Raspberry Pi4 (Debian Buster OS), TensorFlow, MediaPipe, OpenCV, NumPy, Jupyter, and PyTorch | Employed machine learning techniques and convolutional neural networks | Integrated Flask for web application development | Applied project management strategies, including Gantt charts and teamwork | Ensured effective communication, continuous testing, and troubleshooting.
- **C Sharp:** Developed a shopping solution with both client and server side | Built Windows Form and Console applications | Stored ordering information with dictionaries, lists | Enabled the Server to talk with multiple clients simultaneously | Adopted multithreading or asynchronous programming techniques to prevent blocking of the GUI thread | Implemented appropriate error messages for server connection failures and out-of-stock products.

Academic Proficiencies

- **Python:** Utilized clear syntax, versatile data structures, and efficient file handling techniques | Employed various libraries and frameworks for web development and problem-solving algorithms | Addressed engineering challenges with server-side scripting and database connectivity | Developed RESTful APIs and maintained clean, efficient, well-documented code | Worked with NGINX for server configuration.
- **Linux:** Operated selected Linux applications and server daemons | Performed system updates and administration tasks | Managed files and their properties | Connected to remote hosts (servers) using SSH as a non-privileged user | Created simple script-based programs for system automation.
- **C#:** Utilized .Net Framework, SQL, and LINQ for desktop and web applications | Designed and managed databases, wrote complex SQL queries, and optimized performance | Implemented C# classes, inheritance, polymorphism, interfaces, lambda expressions, and multithreading | Developed client-server applications | Safely used pointers and managed assembly deployment.
- **Cisco Internetworking:** Completed training labs using Cisco Packet Tracer | Implemented security measures for routers and switches, including access control lists (ACLs) | Configured and troubleshooted static and dynamic routing | Configured single area OSPF for both IPv4 and IPv6 networks | Managed DHCP and NAT/PAT | Utilized VLSM subnetting, classful and classless routing techniques.
- **Arm Microcontroller:** Worked with the FRDM-K64F development board and MCUXpresso IDE for real-time embedded applications | Implemented real-time operating systems (RTOS) using FreeRTOS from Amazon Web Services (AWS) | Developed embedded applications using C programming language, MCUXpresso Config Tools, and the NXP Semiconductors software development kit (SDK) | Wrote, tested, and debugged firmware for microcontroller-based systems.