Jett Lu

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SKILLS

C, C++, C#, Java, Python, HTML, Linux, RTOS, Embedded Systems, Batch Automation, CI/CD, Cybersecurity, CCNA, CompTIA A+ and Security+, PowerShell, Web Accessibility (AODA, WCAG)

PROFESSIONAL EXPERIENCE

ONTARIO MINISTRY OF TRANSPORTATION   **North York, ON**
Engineering Associate   *May 2025 – Present*
- Conducted QA testing and validation on LIMS platforms, ensuring data integrity, 99% system reliability, and full regulatory compliance (AODA, WCAG).
- Implemented automated testing solutions that boosted efficiency by 500%, cut manual workload by 80%, and accelerated release cycles.
- Supported DevOps and CI/CD pipeline enhancements, improving deployment speed by 40% and increasing delivery consistency across environments.

KINECTRICS INC   **Etobicoke, ON**
IT Administrator   *January 2023 – April 2023*
- Enhanced IT infrastructure stability and security through regular updates, patches, and audits via Lansweeper and CrowdStrike, reducing security vulnerabilities by 15%.
- Developed a Windows PowerShell automation framework, accelerating testing processes by 30% and cutting manual testing time by 25%.
- Established IT policies and compliance procedures, reducing compliance issues by 10%, and maintained test scripts, improving software quality and reducing errors by 20%.

TEK SUPPORT   **Newmarket, ON**
IT Systems Specialist   *January 2021 – August 2021*
- Oversaw installation, configuration, and maintenance of hardware and software across multiple platforms, improving system uptime by 15%.
- Strengthened data security through regular backups and comprehensive disaster recovery tests, reducing data recovery times by 40%.
- Provided responsive support for onsite and remote users, maintaining optimal performance and resolving 95% of issues on the first attempt.

EXTRACURRICULAR ACTIVITIES

MCMASTER OPEN SOURCE SOCIETY   **Hamilton, ON**
Founder & President   *May 2025 - Present*
- Founded and led McMaster's first student-led open source software club, fostering collaboration on real-world development projects.
- Organized and hosted regular coding sessions, Git/GitHub workshops, and guest speaker events featuring industry professionals.
- Established the club's GitHub presence and managed project repositories to support member contributions and portfolio development.

IEEE TORONTO SECTION   **North York, ON**
Student Branch President   *August 2022 – April 2024*
- Served as a representative of the student branch at parent organization conferences and events, networking and promoting the benefits of student branch membership with on campus events.
- Collaborated with other officers to plan and execute engaging technical webinars and activities aimed at promoting membership and engagement within the student branch.
- Maintained accurate records and documentation related to student branch activities and finances, ensuring compliance with organizational policies and regulations.

EDUCATION

MCMASTER UNIVERSITY   **Hamilton, ON**
Bachelor of Technology, Software Engineering Technology   *September 2024 – Present*
- Related Courses: Advanced Network Security, Parallel Programming, Data Structures and Algorithms.

SENECA POLYTECHNIC   **North York, ON**
Advanced Diploma,Computer Engineering Technology   *September 2021 – April 2024*
- President's Honour list: Summer 2022, Winter 2022, Fall 2023, Winter 2024.
- Related Courses: Cyber Security, Cisco Internetworking I, Advanced Programming Concepts.