JEREMY QIAN

Woodbridge, Ontario

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TECHNICAL QUALIFICATIONS

Linux Programming	Proficient in C/C++ and Python
Windows Programming	Knowledgeable in C# and Python
Web Development	Knowledgeable in HTML, Javascript, Python Flask
Scripting	Knowledgeable in Bash and Perl scripting
CI & CD	Experienced in Gerrit, BitBucket, Jenkins, Artifactory
Databases	Experienced SQL Server, SQLite3, XML databases
Others	Experienced in Docker, Virtualization, TCP/IP Stack

WORK EXPERIENCE

Thales Canada   August 2019 - Present
Software Analyst & Developer

· Responsible for maintaining vehicle onboard control (VOBC) software for trains
· Developed and deployed a Continuous Integration pipeline for the NY VOBC project
· Developed testing procedures for major software components with 100% requirement and code coverage
· Developed static code analysis tools to aid in safety and compliance efforts
· Participated in safety and requirement meetings, reviewed and revised software for compliance
· Participated in the agile process - daily scrums

Siemens Canada   April 2016 - July 2019
Linux Software Developer

· Responsible for extending and maintaining a custom Linux system targeted for IP routers
· Developed and maintained cellular, IP routing, and virtualization features
· Developed and deployed XML database schema to store device configuration
· Developed and deployed factory hardware commissioning process and tools
· Participated in stakeholder meetings, designed and developed software to meet requirements
· Participated in the agile process - daily scrums, sprint planning, and project estimation
· Participated in design and code reviews - as an independent and as a component maintainer

McMaster University   August 2015 - February 2016
Assembly Programming Teaching Assistant

· Responsible for aiding the professor in delivering MIPS assembly programming syllabus
· Created and delivered tutorial content to a class of 20 to 30 students
· Supervised and graded assignments, midterms, and final examinations
· Responded to student inquires about course content or administration

EDUCATION

McMaster University   2012-2016
Bachelors of Software Engineering   *Graduated on the Dean's List*