Dominic Trottier

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Summary of Qualifications

- Experienced software developer comfortable working both independently or with a team.
- Extensive experience writing object oriented code using C# and Java.
- 16 months experience in professional software development.
- Familiar with many languages including Python, SQL, and C.
- Capable of quickly learning to use new tools and languages.

Education

BSc. in Computer Engineering

- Anticipated date of completion: April 2017
- University of Alberta, Edmonton, AB
- GPA: 3.5

Computer Experience

- Developed several Android applications as a part of academic work, coding events, and personal projects.
- Designed, programmed, and tested several database oriented desktop applications using the .NET framework.
- Studied a variety of computer concepts including operating system design, algorithms, software security, and reliable software design.

Work Experience

Junior Computer Engineering Student   May 2016 – December 2016
Xanantec Technologies, Edmonton, AB

- Maintained existing .NET database oriented applications and provided direct support to users
- Created software using .NET to interface with embedded controllers and PLCs
- Developed embedded motor controller software and custom bootloader to meet size requirement
- Implemented testing framework to increase code reliability
- Participated in client meetings to develop requirements
- Wrote and reviewed software documentation

Cyber Security Co-op   January 2015 – August 2015
General Dynamics Canada, Calgary, AB

- Derived and documented user requirements based on use cases and user feedback
- Designed and developed a GUI based program to interact with complex databases and provided custom utilities for filtering and displaying entries
- Created a program to manage the deployment and transfer of windows updates using Windows Server Update Services along with the transfer of large amounts of metadata
- Implemented robust data persistence in multiple programs
- Presented programs to clients and provided full user documentation
- Participated in a several peer reviews for documentation, as both the author and the reviewer

Computer Repair Technician   April 2014 – August 2014
Alberta Computers for Schools, Edmonton, AB

- Performed troubleshooting using various diagnostic tools and corrected any issues found
- Identified and replaced faulty hardware
- Prepared system images and deployed them in various units
- Managed incoming donations and organized usable hardware
- Coordinated the completion of an order of more than 500 computers

Additional Information

- Bilingual; fluent in both French and English