Will Donaldson
Student

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HIGHLIGHTS

- Enrolled in McMaster Software Engineering & Management Co-op program (Level 4 of 5)
- 16 Month IT Applications Developer Internship at Honda of Canada Manufacturing
- Communications Firmware Specialist on McMaster Interdisciplinary Satellite Team

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EDUCATION

Bachelor of Engineering Management (B.Eng.Mgt.),
Software Engineering & Management   **Expected graduation - 2021**
McMaster University, Hamilton, ON

- Enrollment in Management option compliments technical studies with core business courses (marketing, accounting, finance)

WORK EXPERIENCE

IT Applications Development Intern   **May 2019 – September 2020**
Honda of Canada Manufacturing

- Java development for Honda proprietary line control and data acquisition software
- Implemented DAO layer using Spring JDBC Module to call DB2 stored procedures from the application.
- Created Mitsubishi Unsolicited PLC simulator in Python to facilitate QA testing without the use of a PLC
- Continuous code integration using Git and Agile development with multiple factories across Honda North America IT
- Development and support of Restful Web services that support JSON
- Worked with IBM Web Sphere Application servers
- Integrated PLCs with IT systems using Telit deviceWISE, Kepware OPC, and Honda proprietary communication software
- Provided production support for the various applications and coordinated with cross functional teams
- Completed software build testing in QA and Production environments

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EXTRACURRICULAR ACTIVITIES/ PROJECTS

Communications Team Firmware Specialist   **September 2017 – Present**
McMaster Interdisciplinary Satellite Team (MIST)

- NEUtron DOSimetry & Exploration (NEUDOSE) Mission (More info available at: http://mcmasterneudose.ca/about/)
- Developing real-time firmware with C++ to run on communications module embedded microcontroller