

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)
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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
 - Created Mitsubishi Unsolicited PLC simulator in Python to facilitate QA testing without the use of a PLC
 - Continuous code integration with multiple factories across Honda North America IT
 - Assisted in production migration from legacy line control software
 - Provided support to factory for integrating new equipment/ processes with IT systems
 - Integrated industrial devices with IT systems using Telit deviceWISE, Kepware OPC, and Honda proprietary communication software
 - Provided support for troubleshooting/ repairing production IT systems
 - 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
- Developing device drivers for multiple radios and integrated chips
- Developing firmware to handle communications link between the CubeSat and ground station

Amateur Radio Certificate – Basic with Honours

July 2018

- Access to operate on all amateur radio bands in Canada