

Dan Duran

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SKILLS

Languages: Java, C, Scheme, Python

Tools: ROS, Linux, Bash, Git, Jira, Confluence, HTML/CSS

EXPERIENCE

Watonomous - *Sensor Interfacing Core Member*

Sept 2019 - PRESENT

- Wrote and debugged C++ code in ROS to streamline sensor startup.
- Focused on LiDAR enhancements for the Perception team.
- Assisted with GPS/IMU, camera, and radar networking.

Let's Talk Science - *Workshop Developer*

Oct 2018 - Feb 2019

- Assisted with creating a classroom workshop to emphasize environmental factors in long-distance space travel.
- Developed sample Python code for micro:bit sensors to collect data and compare with the International Space Station.
- Wrote an in-depth report analysing the procedure and complexity of the workshop.

Kitchener Collegiate Institute - *Coding Instructor*

Dec 2018 - June 2019

- Taught students Python syntax and computer science basics on a weekly basis.
- Led hands-on workshops on cryptography and networking principles.

WRDSB StempComp 2019 - *Event Leader*

Sept 2018 - Feb 2019

- Assisted with logistics and development of STEMcomp2019.
- Developed the coding event Mission:Arduino for students to compete in.
- Created several software and hardware examples as a baseline for judging.

EDUCATION

University of Waterloo - *Bachelor of Computer Science*

Class of 2024