

Dan Duran

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SKILLS

Languages: Java • C • C++ • Scheme • Python

Tools: ROS • Linux • Bash • Git • Jira • Confluence • HTML/CSS • Jekyll

RELEVANT 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 network scalability.
- Applied the SDLC processes while working alongside team members.

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 various Python programs for micro:bit sensors to collect data and compare with the International Space Station.
- Wrote an in-depth report analyzing the procedure and complexity of the workshop.

ADDITIONAL EXPERIENCE

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 StemComp 2019 - *Event Leader*

Sept 2018 - Feb 2019

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

Special Olympics Ontario - *Track and Field Coach*

Feb 2017 - June 2017

- Built exercise schedules for athletes in preparation for provincial/national competitions.

EDUCATION

University of Waterloo - *Candidate for Honours Bachelor of Computer Science*

Class of 2024