

Jordan Van Wyk

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Certifications

2016 **Ontario Drivers License (G)**

Service Ontario

2014 **Standard First Aid CPR C / AED**

St. Johns Ambulance

Experience

2016-Present **Project Engineer**, *University of Waterloo*, Waterloo.

Research, 3D modelling using CAD, prototyping, creating PCBs, and programing hardware. Developing an interactive 3D model of a human vocal tract as part of a 4-person team.

2010-Present **Squadron Cadet Commander**, *Royal Canadian Air Cadets*, Breslau.

Organize, teach, and lead team of 20 senior cadets; work to develop senior cadets.

Volunteer and serve at various community events.

Ensure squadron runs smoothly and standards are upheld.

Direct line of communication between officers and cadets.

2016 **Ambassador**, *Royal Canadian Air Cadets*, Hong Kong, IACE.

One of 68 cadets from 26,000 chosen to represent Canada on the International Air Cadet Exchange program. Gained a new cultural perspective and many international friendships.

2016 **Crew Member**, *McDonald's*, Waterloo.

Worked quickly and efficiently as part of a team.

Strong communication skills allowed crew members to work as a unit with all employees.

Conflict resolution and customer service skills developed.

Asked to return based on excellent performance.

2014-2016 **President and Founder**, *MASH*, Sir John A. Macdonald Secondary School.

Founded a program to provide Math and Science help/tutoring to students free of charge through a peer to peer volunteer network.

Developed website and databases to automatically sort tutors and students in MS Excel.

Lead a team of four hand picked executives and 20 top students as tutors.

MASH has impacted over 100 students and continues to grow.

2012-2016 **Design Leader**, *Electrathon Car Development Club*, Waterloo.

Designed and fabricated parts for electric vehicles using CAD and machine shop equipment.

Led a team of students in this process and taught them applicable skills.

Oversaw the production of parts and their integration into the cars.

2015-2016 **Student Council Member**, Sir John A. Macdonald Secondary School.

Organised the technology and logistics for Relay for Life. Over 800 participants sleeping over night. Raised over 100,000 dollars for cancer research.

Education

2016-Present **University**, *University of Waterloo*, Waterloo, *B.Eng.*

Languages

Python	Experienced	<i>University course</i>
Arduino	Beginner	<i>Self taught</i>
LaTeX	Beginner	<i>Self taught</i>

Projects

2016 **Fire Fighter Robot.**

Developed a robot with a partner to find and extinguish a candle in a maze. Created Cad drawings, designed and soldered own circuit boards, made robot housing, wired and programmed PCBs, and lots of troubleshooting.

2015 **Sumo Robot.**

Developed a robot to find other robots and push them out of the ring. Same design process as above. Won competition through creating custom circuits allowing more current and voltage to the motors in combination with precisely tuned "bot detection".

Awards

2016 **Loran National Finalist Award, Loran Foundation.**

Selected based on character, commitment to service, and leadership potential.

2016 **Principal's Award for Student Leadership, Ontario Principal's Council.**

Presented based on exemplary student leadership and involvement in school community.

2016 **DECA award winner, DECA Inc, Nashville.**

Placed 1st in the Stock Market Game at DECA International Career Development Conference.

Placed 5th provincially in GRIT Entrepreneurship event.

2015 **Power Pilot Scholarship, Royal Canadian Air Cadets.**

Competed in selection exams and interviews.

Selected for 7-week summer course to earn private pilot's license.

Fully sponsored by the Government of Canada.

2015 **Top Cadet in Aviation Studies, Royal Canadian Air Cadets.**

Highest selection exam mark.

2015 **Gold and Silver placing, McMaster Science and Engineering Olympics.**

Awarded two scholarships to study engineering at the university.

2015 **Best Percussion Ensemble in Canada, MusicFest Nationals.**

Achieved the gold standard as well as the Best Percussion Ensemble in Canada award.

2013-2016 **Academic, Sir John A. Macdonald SS, Grade 12 average of 97.**

Received four Most Valuable Pupil awards and multiple Highest Mark awards.