

Devin Corti

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TECHNICAL SKILLS

Mechanical: SolidWorks, AutoCAD, Fusion 360, Machining (Lathe, Mill), 3D Printing, FDM, Laser Cutting

Firmware: C++, MATLAB, Git, Python, JavaScript, Excel

Electrical: Circuits, Wiring, Electrical Components, Arduino

Certifications: WHMIS 2015, Class 5 Driver's License (AB), DELF B2 (French), Worker Health & Safety Awareness

EXTRACURRICULARS

University of Waterloo Formula Electric

Sept. 2024 – Present

University of Waterloo

Waterloo, ON

- Assist in the manufacturing and installation of chassis components through milling, lathing, waterjet CNC, laser cutting, and 3D printing to construct a solid foundation for the car
- Create CAD models, engineering drawings and dxf files to ensure accurate manufacturing of chassis components
- Developed and tested methods of assessing the tolerances of chassis components to compute positional error

Robotics Team Lead

Sept. 2022 – Feb. 2024

Springbank Robotics Team

Calgary, AB

- Led the team to the FIRST World Championships by overseeing the building and testing of the robot
- Spearheaded the design of the robot, using sketches to create an initial idea that would begin the design process
- Created a CAD model of the robot using Fusion 360 to ensure the robot could be built without complication
- Arranged meetings and status reports as team lead, resulting in timely completion and success of the robot

Battle Bot Project

Sept. 2024-Present

University of Waterloo

Waterloo, ON

- Drafted engineering sketches to create a baseline design, which led to modeling and designing on SolidWorks
- Worked as a team to oversee a project from beginning to end, designing, manufacturing, and testing the robot

Ditch Your Device

July 2022

SHAD Canada Design Project

University of Prince Edward Island

- Created Ditch Your Device, a design project prototype app that helps young adults overcome technology addiction
- Participated in a variety of lectures on entrepreneurial success, mechanical processes, coding, and communication

EXPERIENCE

Hockey Referee

Sept. 2019 – Mar 2024

Hockey Alberta

Calgary, AB

- Communicated in a professional manner with coaches, volunteers, and players to ensure safety and positivity
- Continuously learned and improved understanding of the game's rules to uphold fairness and equality

Volunteer Baseball Coach

Apr. 2024 – June 2024

Jays Care Foundation Challenger Baseball

Calgary, AB

- Taught athletes living with physical and/or cognitive disabilities the core life skills inherent to baseball, including teamwork, communication, determination, and resiliency to promote interest and inclusivity in the game
- Worked with coaches to create practice plans, accounting for the physical and cognitive capabilities of the athletes

EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Applied Science in Mechatronics Engineering

Sept. 2024 – Apr. 2029

- **Overall GPA:** 4.0 (98.36% avg.)
- **Scholarships & Awards:** Carl A. Pollock Engineering Scholarship, President's Scholarship of Distinction
- **Relevant Coursework:** Mechatronics, Engineering Design, Digital Computation, Circuits, Data Structures

High School Awards: Valedictorian, Schulich Leader Nominee, Governor General's Bronze Medal, Premier's Citizenship Award, Queen's University Chancellor's Scholarship (Declined), Highest Grade 11 & 12 Average

Other Involvement: Academic Rep, Hockey, Baseball, Rugby (Team Captain), Big Brother's Big Sister's of Canada, Graduation Committee, Model United Nations, Goalie Development Program

Interests: Travel, Reading, Hiking, Cooking, Formula 1, Chess, NHL (Habs), MLB (Jays)