



SKILLS

Python **SolidWorks**
C++ **AutoCAD**
RobotC

EDUCATION

University of Waterloo

- Mechatronics Engineering
- Candidate for BAsC.
- Received President's Scholarship of Distinction (95%+ average)

Relevant Courses

- Digital Computation
- Algorithms and Data Structures
- Engineering Graphics and Design

HOBBIES

- Baseball
- Ice Hockey
- Piano/Ukulele
- Digital Drawing

SUMMARY OF QUALIFICATIONS

- Excellent **teamwork** skills through 8 years of **organized sports**
- Developed **problem-solving** skills through the Learning Enrichment Advancement Program at McMaster University
- **Self-motivated** through independently learning instruments
- Currently learning **HTML/CSS** for front-end development by creating my own website

PROJECTS

POKEMON DATABASE ANALYZER

June 2018

- Developed a program using Python with Object-Oriented Programming
- Searches database file consisting of dozens of columns and hundreds of rows
- Filters for user-inputted attributes and returns all matching results

AUTOGROW • Plant Care Robot

December 2019

- Constructed an autonomous robot using **Tetrix Kits** and LEGO capable of **360° rotation** and supported **5 L** of water
- Programmed robot using **C-based language** to supply water accurate to **5 mL** to multiple plants over a set time period
- Collaborated with multiple classmates to efficiently distribute tasks and help the project run smoothly

EXPERIENCE

CASHIER • WALMART

September 2018 – August 2019

- Promptly learned company policies through online modules and applied them during each shift
- Communicated clearly and effectively to both customers as well as multiple managers
- Quickly adapted to working in a fast-paced environment and was able to train new employees



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github.com/e2hum