

Hermione Granger

Engineering Co-op Student (Level 1)

Hamilton, ON 🏠
905-525-9140 📞
grangeh@mcmaster.ca ✉️
Linkedin.com/in/grangeh 🔗
Github.com/grangeh 🐙

HIGHLIGHTS OF QUALIFICATIONS

- Currently enrolled in level 1 of a 4-year Engineering Co-op program at McMaster University, planning to pursue the Chemical Engineering stream in level 2
- Developed technical design skills in **solid modelling** in **AutoCAD**, **freehand sketching**, and **simulation** through the Engineering Design and Graphics course
- Strengthened **problem-solving skills** and developed basic **laboratory skills** through 12+ hours of lab experiments in the General Chemistry for Engineering course

EDUCATION

BACHELOR OF ENGINEERING (CO-OP) / MCMASTER UNIVERSITY, HAMILTON ON

SEPT 2017 – PRESENT

Relevant Courses:

- **Engineering Design and Graphics (Grade Received: A+)**
 - Introduction to graphical visualization and communication, technical sketching, 2D and 3D computer-aided design, and solid modelling software
- **General Chemistry for Engineering (Grade Received: A)**
 - Introduction to chemical principles including reactivity, bonding, structure, energetics and electrochemistry

PROJECTS

ARTIFICIAL 3D HAND GEAR (ACADEMIC PROJECT)

JAN – FEB 2018

- In a group of 4, we planned, designed, modelled and developed an artificial hand gear mechanism through mathematical calculations and using **Autodesk Inventor**

CARDBOARD HYDRAULIC ROBOT ARM (PERSONAL PROJECT)

JAN – FEB 2018

- Designed and assembled a functioning robot arm with cardboard, tubing and syringes using the design software **AutoCAD**
- Improved knowledge of mechanics and hydraulics while self-teaching the technical skills required through online tutorials

ADDITIONAL SKILLS

- **WHMIS** trained and **First Aid** certified
- Proficient in **AutoCAD**, **Autodesk Inventor** and **Solidworks**
- Familiar with **Python**, **Java**, **C+**, and **HTML**
- Experienced in **MS Office**, **Macros**, and **3D printing**

EXTRACURRICULAR ACTIVITIES

STUDENT REPRESENTATIVE / MAY @ MAC, MCMASTER UNIVERSITY

MAY 2018

- Practiced strong oral communication skills while delivering program tours to 100+ students and their families, leading in-part to increased conversion rates

REGISTRATION VOLUNTEER / THE WEEKEND TO END BREAST CANCER, TORONTO ON

SEPT 2016

- Helped 1000+ participants to register and sign in for the event
- Strengthened communication skills by providing information to participants about the event itinerary

WORK EXPERIENCE

TEAM MEMBER / TIM HORTONS, HAMILTON ON

JUNE 2014 – AUG 2017

- Strengthened interpersonal and communication skills when greeting hundreds of customers each day at the front counter
 - Developed strong time management skills by successfully fulfilling food and beverage orders for customers in a timely manner
 - Operated Point of Sale System (POS) and Moneris machines with accuracy and handled approximately 100 transactions per shift
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