

# Hermione Granger

Engineering Co-op Student

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## 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**

**Sept 2022 – April 2026**

- Awarded the McMaster Entrance Scholarship for an admission average exceeding 90%

## Projects

### **Artificial 3D Hand Gear**

- 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**

- 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

McMaster University Engineering  
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Growth & Experience

## Work Experience

### **Team Member**

- 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

## Skills

○ Java	○ HTML	○ 3D Printing	○ Autodesk
○ Python	○ Microsoft	○ AutoCAD	○ Inventor
○ C+	○ Office	○ SolidWorks	○ First Aid