

# 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

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## Education

**Bachelor of Engineering (Co-op) / McMaster University** **Sept 2022 – April 2026**

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

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## 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

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## 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

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## Skills

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