

McDonald The Third

📞 (647) 012-3456 | ✉️ macdonat3@mcmaster.ca | 🔗 linkedin.com/1p10_rocks | 🏠 Burlington, ON

Eligible for 4-month full-time co-op placement starting May 2025

Education

Engineering & Health Sciences Co-op (BEngBME)

2024 – 2030

McMaster University, Hamilton ON

Work Experience

Store Associate

Sept 2023 – Jun 2024

Aritzia, Hamilton ON

- Assessed client needs and recommended appropriate items, highlighting communication skills
- Exceeded daily sales targets by an average of 30%, contributing to store having highest sales in March
- Managed 20 hours of work alongside full time academics and extracurricular activities in high school

Projects

Assistive Leg Device

Feb – Apr 2025

First Year Design Course Project

- Built an assistive exoskeleton for a client with weakened legs due to Multiple Sclerosis
- Applied user-centered design by using Autodesk Inventor to model a comfortable, lightweight design
- Coded Raspberry PI to adjust foot-platform based on leg positioning data from orientation sensor

Automated Control System for Accessibility

Jan – Feb 2025

First Year Design Course Project

- Fabricated a rehabilitation device to assist in bicep exercises for users with weakened arm function
- Prototyped gear mechanism using Autodesk Inventor and created physical parts using 3D printing
- Programmed a Raspberry pi using Python to take sensor data and apply opposite force based on certain positions, correcting bicep curl form to reduce exercise injury
- Coordinated in a group of 4, scheduling weekly meetings and demonstrating attention to detail

Extracurricular Activities

First Year Representative

Oct 2024 – Present

Women in Engineering McMaster Chapter

- Acted as a liaison between first-year engineering students and chapter leadership, enhancing communication and ensuring inclusive representation of diverse student voices
- Spearheaded outreach initiatives that increased first-year engagement by 15% through event promotion, peer networking, and collaborative planning
- Contributed to the planning and execution of professional development events, fostering skills in project coordination, time management, and team collaboration

Skills

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|-----------------------|----------------------------|-----------------------|
| • Python (Matplotlib) | • WHMIS & BioSafe Training | • 3D Printing |
| • Autodesk Inventor | • Raspberry PI | • MS Office |
| • MATLAB | • Arduino Code | • GSuite Applications |