

Toni Collette

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Highlights of Qualifications

- Currently enrolled in level 2 of McMaster's Bachelor of Technology program in partnership with Mohawk college
- Participated in over 100 hours of electrical labs, working with electrical components and control systems that require safety and careful consideration
- Learned essential programming principals through practical experience with C++
- Developed excellent communication and leadership through academic and work experience

Skills

Manufacturing/Engineering:

- Creating and wiring circuits from circuit diagrams and schematics
- Calibrating and debugging instruments and equipment
- Wood and metal working machines

Software/Programming:

- AutoCAD
- Inventor
- SolidWorks
- Python
- Autodesk
- Visual Basic
- C/C++

Lab/Safety:

- WHMIS
- Standard First Aid

Extracurriculars

- McMaster Design Club
- Canadian Institute of Transportation Engineers (ITE) - McMaster Student Chapter
- Engineers Without Borders

Education

Bachelor of Technology, Automation Engineering Technology

McMaster University, Hamilton Ontario

Sept 2020 – Jan 2025

- Achieved a cumulative grade point average of 3.6 on a 4.0 scale across all semesters
- Will also be awarded a Chemical Engineering Technology Advanced Diploma and Business Management Certificate from Mohawk College

Experience

Summer Research Assistant

McMaster University, Hamilton Ontario

June – August 2021

- Performed detail-oriented work using Softimage to model over 12 construction sites containing 70+ workers and construction equipment
- Simulated construction site data obtained from experiments conducted by PhD candidates and analyzed 10,000+ lines of data efficiently with Microsoft Excel using Pivot Tables, and Macros
- Acknowledged in a peer reviewed journal for significant contributions made to the team's results

Camp Counsellor

STEM Camp, Niagara Ontario

June – August 2019

- Utilized effective communication skills to engage 300 campers (aged 5-13) while teaching activities related to the laws of motion, physics concepts, chemical reactions, general chemistry, and types of energy
- Developed organizational and time management skills by ensuring that all assigned activities for the week were successfully implemented and completed
- Adjusted and reorganized activities according to weather changes and other unforeseen circumstances