

ALYSSA CROWLEY

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HIGHLIGHTS OF QUALIFICATIONS

- Currently enrolled in level 2 of an integrated 4.5-year joint program with McMaster University & Mohawk College
- Participated in over 100 hours of electrical labs, working with electrical components and control systems that require safety and careful concentration
- Learned essential programming principles through experience using the C++ programming language and finished the course with an A+
- Developed excellent communication and leadership skills while working as a STEM Camp Counsellor

EDUCATION

Bachelor of Technology, Automation Engineering Technology **Expected Completion, 2020**
McMaster University, Hamilton ON

- Achieved a cumulative grade-point average of 3.6 on a 4.0 scale across all semesters
- Will be awarded with a Bachelor of Technology Degree and Chemical Engineering Technology Advanced Diploma and a Business Management Certificate

EXPERIENCE

Summer Research Assistant **June – August 2017**
McMaster University, Hamilton ON

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

Camp Counsellor **June – August 2016**
STEM Camp, Niagara ON

- Utilized effective communication and leadership skills to engage 300 campers from the ages 5-13 in activities related to the laws of motion, physics concepts, chemical reaction, general chemistry, types of energy, etc.
- Developed organizational and time management skills by ensuring that all assigned activities for the week were successfully implemented and completed
- Manipulated and reorganized activities according to weather changes and other unforeseen circumstances

Hobbies

Kayaking, hiking in the Algonquin, building my own drone, 3D printing

EXTRACURRICULARS

Financial Officer **2017 – Present**
Bachelor of Technology Student Association

- Responsible for administering the budget, reimbursements and managing transactions with the association's bank account
- Forecast event costs & sales required to break even
- Produce bi-annual balance sheets

SKILLS

Manufacturing/ Engineering Skills:

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

Software/ Programming Skills:

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

Safety Skills:

- WHMIS & Standard First Aid