

# Tyler Barnes

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## Highlights of Qualifications

- Currently enrolled in year three of McMasters 4-year chemical engineering program
- Excellent organizational and analytical skills developed while working as a Laboratory Assistant
- Demonstrated strong communication skills as the volunteer rep for McMaster CHEMENG club
- Well-developed collaboration and teamwork abilities established through work experience, extracurricular activities, and classroom projects

## Education

Bachelor of Chemical Engineering  
McMaster University | Hamilton, ON

September 2019 – April 2023

- Consistently on the Dean's Honour List from 2021 to the present
- Relevant Coursework:
  - Fluid Mechanics · Introduction to Reactor Design · Process Control & Design
  - Structural Properties of Materials · Heat Transfer · Thermodynamics

## Experience

Lab Assistant

September 2020– Present

Magna International Inc. | Brampton, ON

- Performed a variety of mechanical, environmental, and forensic tests according to the specifications
- Prepared specimen samples for testing using various types of laboratory equipment
- Documented test results and generated lab reports
- Assisted with equipment preparation, floor layouts and documentation

## Extracurricular Activities

Volunteer Representative | McMaster Chemical Engineering Club

September 2019 – Present

- Organized the "Cooking for Change" event which gave volunteers and community members an opportunity to learn how to cook gourmet meals on a budget
- Sourced 4 new volunteer opportunities within the community for the year 2020
- Increased student participation in volunteering & fundraising events by 28%

McMaster Marauders Wrestling Team

September 2019– Present

- Won silver medal in the 76kg weight class at the U Sports 2020 Championships in Sault Ste. Marie, placing the McMaster Marauders team in 7th place overall

## Skills

### Software

- AutoCAD, MATLAB, PeopleSoft, Aspen Plus, Autodesk Inventor

### Programming

- Java, Python, C++, HTML

### Lab & Safety

- WHMIS, Standard First Aid, Technical Report Writing, Chemical Handling & Spills