

Gerald Hatch

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Highlight of Qualifications

- Enrolled in level 3 of McMaster University's Automation Systems Engineering Technology Co-op seeking 4-month co-op positions starting January 2027
- Strong experience with 3D modelling and coding through project work and prior internships

Education

Bachelor of Technology Co-op (BTech) | Automation Systems Engineering Technology **2024 – 2029**

McMaster University, Hamilton ON

- Enrolled in an interdisciplinary program combining concepts from electrical engineering, mechanical engineering, software engineering, and business management
- Progressing toward 2 additional credentials: an advanced diploma in Chemical Engineering Technology – Process Automation, and a CIM- and ACBSP-accredited business management certificate

Experience

Automation Support Intern | Celestica, Remote **May – Aug 2026**

- Assisted in factory automation programs across 5 countries by writing Python scripts to automate repetitive tasks, enhancing production efficiency by 8%
- Collaborated with Project Managers, Engineers and stakeholders on implementing automation systems, demonstrating communication and project management skills in a fast-paced environment
- Compiled and analyzed data using Microsoft Excel and MATLAB, identifying insights that led to improved defect and failure identification by 14%

Projects

3D Printing Keychain Fundraiser | McMaster University, Hamilton ON **Jan – Apr 2025**

- Collaborated with McMaster Engineering Society's store to launch and sell custom 3D printed keychains designed using Autodesk Inventor to model prototype designs and use 3D printers to manufacture
- Developed communication and marketing skills through creating branding and marketing strategies, including social media promotion and sales tracking

Extracurricular Activities

Manufacturing Sub Team Member | McMaster University Baja Racing Team **Oct 2025 – Present**

- Fabricated and machined parts for an off-road vehicle to compete in the SAE Baja Competition
- Designed parts using SolidWorks and performed Finite Element Analysis (FEA) to ensure durability
- Managed inventory of raw materials and machined parts using Microsoft Excel, highlighting organizational skills and attention to detail

Additional Skills

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|---------|-------------------|-----------------------|
| • C/C++ | • PLC Programming | • MS Office |
| • Java | • Fusion 360 | • GSuite Applications |