

Gabriel Yu

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EDUCATION

McMaster University

Hamilton, Ontario

Bachelor of Technology. in Automation Systems Engineering Technology

September 2022 – December 2026

Degrees Awarded Upon Completion:

- Bachelor of Technology from McMaster University
- Advanced Diploma in Chemical Engineering Technology – Process Automation, from Mohawk College
- Certificate in Business from Mohawk College

Related Coursework: Object-Oriented Programming, PLC Programming, Electricity & Circuits, CAD For Design, Instrumentation & Control, Chemical Engineering, Control Theory, Systems Engineering Fundamentals, Project Management

EXPERIENCE

Purolator

Etobicoke, Ontario

Transportation Engineering Co-op

May 2025 – December 2025

- Extracted and analyzed transportation data to support and maintain key KPI dashboards used for operational decision-making.
- Managed the trailer performance dashboard, ensuring KPI accuracy, data integrity and timely updates to support network visibility.
- Designed and implemented advanced Excel tools to generate automated reports tracking trailer assets, locations and terminal-level trailer counts for the Asset Management team.
- Collaborated with cross-functional teams (senior management, operations, finance) and led analytics initiatives leveraging Excel, VBA and Python to enable data-driven decision making

Linamar Corporation, Vehcom Manufacturing

Guelph, Ontario

Quality Engineering Co-op

January 2025 – April 2025

- Performed capability studies and compiled detailed reports to assess process performance for customers.
- Operated CMM and Klingelnberg gear analyzers to perform precise measurements and gear profile analysis, ensuring compliance with quality standards and specifications.
- Utilized gauges to verify that parts met acceptable tolerances while sorting through both good and defective parts.
- Assisted quality engineers in conducting daily part inspections, ensuring compliance with customer specifications.
- Inspected and validated prototype components prior to shipping, maintaining 100% adherence to quality standards.
- Prepared comprehensive prototype reports and managed data entry to maintain accurate quality records.
- Conducted capability studies with Minitab19, delivering reports to support quality engineers.

Teladoc Health

Toronto, Ontario

Clinical Operations Intern

June 2024 – August 2024

- Improved data sheet structures, enhancing accuracy and operational efficiency in clinical operations workflow.
- Streamlined data management processes, improving accuracy and supporting the digitization of clinical operations
- Automated processes for patient-to-specialist pairing by developing formula-based system and utilizing excel functions, reducing manual workload and improving matching speed.
- Maintained and updated patient information for the Primary Health Care program, ensuring 100% real-time tracking.
- Worked with the clinical operations team to review workflows and implement general process improvements, leading to more efficient operations and smoother team operations.
- Automated data management processes using Excel VBA and formulas, reducing manual tasks and enhancing task allocation efficiency.

SKILLS

HTML/CSS, C++, AutoCAD 2D, AutoCAD Electrical, SolidWorks, PLC Programming, MATLAB, Simulink, Microsoft Office Suite (Word, Excel, PowerPoint), Circuit Design, Calibration, Troubleshooting