

# Nikola Tesla

Automotive & Vehicle Engineering Technology Co-op Student  
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## Highlights of Qualifications

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- Currently enrolled in level 2 of the 4.5-year Bachelor of Technology, automotive & Vehicle Engineering Technology program
- Experience in drafting, designing, and modelling with AutoCAD and SolidWorks in a manufacturing laboratory
- Demonstrated the ability to prioritize and multitask while completing tasks/assignments & achieving top marks
- Strong analytical and problem-solving skills developed through previous co-op experience
- Excellent leadership and teamwork skills developed through various group work and projects

## Education

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### Bachelor of Technology, Automotive & Vehicle Engineering Technology

Sept 2021 – April 2025

McMaster University, Hamilton ON

- Maintaining a cumulative grade point average of 3.8 on a 4.0 scale
- Upon graduation, will receive:
  - Bachelor of Technology Degree (McMaster University)
  - Automotive Engineering Technology Advanced Diploma (Mohawk College)
  - Business Management Certificate (Mohawk College)

## Experience

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### Production Engineering Student

May 2022 – August 2022

- Created spare parts and welding consumables lists for new equipment installations, and supported departments to ensure items are systemized and ordered
- Prepared production engineering documents for new equipment including, Datum pin maps, safety lockout placards, consumables list, etc.
- Organized new equipment drawings, manuals, and other associated documents
- Designed projects related to efficiency, design issues and quality improvements for equipment using AutoCAD and SolidWorks

## Projects

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### SolidWorks Engineering Design Project

Jan 2022 – Feb 2022

- Led a team of 5 students to design & model a pump jack system which operates a reciprocating pump shaft in an oil well using SolidWorks
- Created a complete CAD model with assembling animation study simulation, based on the input motor mechanism
- Organized & examined the individual parts to fit each other and achieve the project constraints

## Skills

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### Software Skills:

- AutoCAD, C/C++, Visual Basic, SolidWorks

### Laboratory Skills

- Electronic Circuit Analysis
- Disassembling of Engines & Transmissions
- Materials Hardness Testing
- Tensile & Impact Testing
- WHMIS & Standard First Aid Training