

# Nikola Tesla

Automotive & Vehicle Engineering Technology Co-op Student

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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
- 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 and achieving top marks
- Strong analytic and problem solving skills developed through previous co-op experience
- Excellent leadership and teamwork skills developed through various group work and projects

## Experience

### Production Engineering Student

May - Aug 2018

FIO Automotive Canada, Stratford ON

- 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

## Education

ENGINEERING

McMaster

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

Expected Completion, 2020

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)

## Projects

### SolidWorks Engineering Design Project

Jan - Feb 2018

- 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

### Software Skills

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

### Laboratory Skills

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