KARAN AYLANI

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Objective

Seeking a co-op position in a leading organization that provides a platform to enhance my skills in Automotive Industry and contribute significantly to the growth of the organization.

Skills

- Proficient with CATIA V5, SolidWorks, NX, and Auto-Cad
- Extensive Knowledge of Microsoft Office and CAD
- Good understanding of manufacturing principles and practices
- Efficiently regenerate existing models into CAD designs
- Effective Communication Skills
- Self-starter and an independent learner with outstanding problem solving and analytical thinking skills
- Motivated team player as both a leader and a member
- Detail- oriented and resourceful work ethics

Experience

Deco Automotive May – August 2014,
Assembly Line Operator Rexdale, ON

- Ensuring that the quality of all the automotive parts along with the robotic welds is well maintained and that the scrap is minimized to zero
- Completed production targets within deadlines while following appropriate safety procedures
- Posses extensive knowledge of various assembly line stations with working experience

G1 Auto Garage July – August 2013,
Automotive Technician Assistant Mississauga, ON

- Successfully disassembled, diagnosed, inspected, and reassembled manual and automatic transmissions as well as several internal combustion engines in a set time - frame
- Solid working knowledge of internal combustion engines
- Assertive ability to establish and maintain effective working relationships

Relevant Projects

Inline 4 Cylinder Internal Combustion Engine July 2014

- Designed and completed a full assembly model of a Inline 4 cylinder internal combustion engine
- Accomplished a fully working kinematic simulation that transmits rotational motion from the crankshaft to drive the pistons vertically within the cylinders
- Established thorough understanding of the mechanical design and engineering concepts behind the internal combustion engine

Full-Suspension Mountain Bike February 2014

- Using CATIA V5 experiences brought together the functional, engineering and architectural characteristics of a product definition
- Built an assembly of a bicycle and acquired the kinematics principles of the sprockets, chain, pedal, and tires
- Constructed complex surfaces by using multi-section for the seat and created the frame exactly as the actual bike by using ribs with accurate cross sections

Education

Bachelor of Technology,
Automotive and Vehicle Technology Class of 2016,
McMaster University, Hamilton, ON Currently in 3rd year

- **Relevant Courses:** Programming / Designing (AutoCAD, Solid Works, Catia, NX, C++ ,Visual Basic), Thermal Systems, Mechanics, Automotive Engineering , Electrical Circuits, Materials Technology, Physics, fluid Mechanics, Alternate vehicular power systems
- Member of McMaster University Formula SAE Hybrid Team
- Will be awarded Bachelor of Technology Degree by McMaster University and an Advanced Diploma in Mechanical Engineering by Mohawk College

High School Diploma Sept 2010 - June 2012
Lincoln Alexander S.S, Mississauga, ON

- Awarded with Ontario Scholars' Scholarship Award
- Received principal's recognition award in 2011 for demonstrating positive influence on the community
- Awarded academic excellence award for showing commitment and outstanding performance in academics
- Won the Math Cayley contest organized by University of Waterloo