NAMOSHI BHATT

5194967449 ◇ namoshi.bhatt@icloud.com ◇
Mechanical Systems Engineering, CONESTOGA COLLEGE

OBJECTIVE

To obtain a full time co-op position within a manufacturing environment, from May 2021 to December 2021.

SKILLS

- **Technical**: Solidworks, Multisim, Python, Logger Pro, MS Office, Mac & Windows OS
- **Tools**: Electronic measuring equipment, hand tools, grinders, drill presses, mills, lathes, chop saws, circuit soldering
- **Soft Skills**: Dynamic problem solver, quick learner, attention to detail, time management, organized, punctual

WORK EXPERIENCE

Parts Pro August 2019 - Present
Partsource, Kitchener, ON

- Advise and sell various engine components, brakes, suspension, and bodywork to commercial and retail customers
- Track and distribute parts in a timely manner

Mechanical Assembler Jan 2019 - August 2019
Skyjack, Guelph, ON

- Made sub-assemblies to drawings and specifications and preformed quality checks as required
- Assembled, fitted and installed prefabricated parts to form sub assemblies using hand and power tools
- Positioned, aligned and adjusted parts for proper fit and assembled and connected fittings, hoses and other hardware

Quality/R&D Lab Assistant May 2018 - August 2018
New World Friction, Cambridge, ON

- Fixed defects, assured products were up to spec with drawings and communicated results clearly with colleagues and lab manager
- Developed new brake pad formulations to be sent for further testing

Crew August 2015 - September 2017
McDonald's, Kitchener, ON

RELEVANT EXPERIENCE

Second Year Project (Automated Work Cell) September 2020 - Present
Conestoga College, Cambridge, ON

- Designed an automated work cell in a team of two that consisted of a robotic arm, hopper for the parts, magazine for the feed and multiple pneumatic cylinders for indexing and pressing operations
- The purpose of the work cell is to feed a hydraulic press with parts requiring a compressive force to be applied as part of their manufacturing process
- Currently learning PLC programming to control actuators with sensors in the automated work cell

First Year Project (Pick Place Arm) September 2019 - April 2020
Conestoga College, Cambridge, ON

- Designed and manufactured z-axis and air actuator mount for robotic arm along with other assemblies
- All parts were manufactured and assembled, pneumatic and other electrical systems could not be installed due to COVID-19 restrictions

Transmission Sub Team April 2018 - December 2018
Formula SAE, Ottawa, ON

- Designed final drive sprocket to be manufactured and used on 2019 FSAE Car
- Met with team weekly to discuss designs and improve past transmission system to finalize car for the 2019 season

Drone Development September 2016 - July 2017
Small Startup, Kitchener, ON

- Designed and manufactured multiple hobby grades drones to fly and sell
- Gained valuable knowledge about lithium-ion batteries

EDUCATION

B.AS. Mechanical Systems Engineering September 2019 - Present
Conestoga College ,Cambridge, ON

- Relevant Coursework: Engineering Drawing Principles, Electric Motors & Drives, Sensors & Actuators, Material Removal Processes, Introduction to Programming, Electronic Foundations, Advanced Calculus

B.AS. Mechanical Engineering 2017 - 2019
University Of Ottawa, Ottawa, ON

- Relevant Coursework: Chemistry, Calculus, Linear Algebra, Physics Foundations

Ontario Secondary School Diploma(Innovate Program) 2013 - 2017
Forest Heights Collegiate, Kitchener, ON