

# NAMOSHI BHATT

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Kitchener, ON

## OBJECTIVE

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

## SKILLS

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- **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

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### 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 performed 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

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### **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

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### **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*