PREET SHAH

Bachelor in Applied Science **Mechanical Engineering**
2nd year, Sept'16 - Present, University of Waterloo

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⊘ SUMARRY OF QUALIFICATIONS

- Obtained **inventory management, procurement engineering,** and **quality control** skills by interning at Elite Machining
- Experienced in **AutoCAD, SolidWorks, Technical drawings, GD&T,** and **C++** through student design teams and various academic projects
- Programmed event driven embedded system using **C++** and **RobotC** with Lego NXT technology
- Proficient in **Microsoft Office** through developing various technical reports within the Junior Achievement Program
- Displayed great **leadership** and **teamwork** abilities while participating in successful team related experiences

👷 RELEVANT EXPERIENCE

Engineering Intern   May'17 - Aug'17
Elite Machining Ltd.

- Procured precise tools and parts required by the machinists
- Generated programs using TRUMPF Vector Marking Machine to laser mark products based on specifications found on customer drawings
- Organized and managed inventory by pulling parts when needed
- Gained training in Quality Control and creating programs for the Coordinate Measuring Machine
- Exposed to manufacturing environment and processes

Power Train Team Member   Oct'16 - Present
Waterloo Formula Electric Car Team

- Conceptualized gasket design for the electric motor on SolidWorks
- Trained in the use of milling machines, lathes, and electric saws
- Assisted in setting up DYNO motor testing to determine torque and power output of the electric motor

Mechatronic System Designer   Jan'17 - May'17
Personal Project

- Collaborated with four members to program a Lego NXT robot to investigate efficient automation of forklifts in warehouses
- Devised mechanical chassis design of the robot
- Designed and manufactured prototype functional parts using SolidWorks
- Assisted in compiling and debugging code in C++ and RobotC

Formula 1 Car Concept Design   Dec'16 - Present
Personal Project

- Engineered technical drawings based on design specifications of car
- Enhanced SolidWorks and AutoCAD skills by developing 3D model of car
- Expanded my knowledge of the mechanical chassis design of cars

Website Developer   Feb'17 - Present
Personal Project

- Self-taught in CSS, HTML5, JavaScript, JQuery, and Bootstrap
- Utilized Bootstrap and HTML5 to create a responsive personal webpage
- Obtained valuable experience in web development and design

🙋 ADDITIONAL EXPERIENCE

Volunteer - *Youth Central*
Sep'12 - May'15

Took part in many different volunteering activities with various community projects around Calgary. This included setting up events and cleaning up once finished, working with children, reading and listening to stories with the elderly, and maintenance of provincial park grounds.

Volunteer - *Calgary Public Library*
Nov'13 - Apr'15

Volunteered as a "computer buddy" and helped young children improve their skills in Microsoft Office, typing, and web searching. Also volunteered to help English second language kids with their English skills through organizing games and activities once a week.

Volunteer - *Junior Achievement*
Oct'14 - Apr'16

As President for two companies, I led team meetings, generated reports, assisted in production of prototypes and final products, and ensured positive team morale. Through this entrepreneurial venture, I learned a great deal about the process involved in creating and running successful team projects.

📺 INTERESTS

- Trilingual: Hindi, Gujurati, and English
- Drawing and designing
- 3D Modelling
- Website development
- Formula 1 fanatic, Hockey, Soccer
- Hiking and camping