

Dhruvil Pandya

1st Year Engineering Co-op Student



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SKILLS

Arduino Python

Java Javascript

HTML

Autodesk Inventor

Organization

Microsoft Office Suites

Problem Solving

Teamwork

Detail Oriented

C#

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Gujarati

Full Professional Proficiency

CERTIFICATES

CPR and First Aid

Leadership and
Customer Service

EDUCATION

Engineering Level 1 Co-op McMaster University

09/2019 – Present

Hamilton, Canada

Courses

- Planning on pursuing Mechatronics Engineering and Management
- Mechanics, Waves, Electricity, and Magnetic Fields, Engineering Computation and Design, and Engineering Design and Graphics

WORK EXPERIENCE

Robotics Course Instructor Institute of Robotics and Intelligent Systems

10/2017 – 08/2019

Toronto, Ontario

Achievements/Tasks

- Demonstrated strong teamwork skills while working with 5 coworkers to develop and implement an automated Arduino car course for students which increased the enrollment of students by ~15%
- Designed and completed vigorous testing of microcontroller sensors and software while documenting the procedure and errors
- Enhanced customer service skills by answering customers queries' regarding robotics courses and workshop inquiries, gained and maintained around 105 customers by great soft skills and appropriate guidance

Robotics Team Mentor First Robotics Competition Canada

06/2018 – 05/2019

Toronto, Ontario

Achievements/Tasks

- Designed and programmed autonomous robot control systems in Java to deliver game pieces around the field using encoders and gyroscopes. Lead team of 30+ members over 12 weeks designing a 120 lbs robot
- Strong administrative role of meeting organization & team management
- Lead technical role in teaching metalworking, usage of PPE and power tools
- Lead role in the design and execution of robot electrical component

Assistant Librarian Northview Heights Secondary School

09/2016 – 01/2018

Toronto, Ontario

Achievements/Tasks

- Developed hands-on skills and knowledge of the roles and responsibilities of a librarian, including collaboration, reading promotion, technology integration, and information literacy
- Assisted students with library materials and gained strong attention to detail while administering the signing out and renewing of books

PROJECTS

BioJava (02/2018 – 05/2018)

- A software that simulates a famous biology convention called Punnett square. This software will calculate and output the chances (probability) for offspring having certain traits. Developed using Java.

Online Store (02/2017 – 05/2019)

- Designed a structured website that models an online Store.
- Features a login and registering system, a checkout, and cart that displays the purchased good.
- Designed and developed using HTML, CSS and JavaScript