ABILARSH VIJIANANTHAN

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EDUCATION

McMaster University
Expected Spring 2021

Bachelor of Engineering, Engineering I (Co-op)
- Specializing in computer engineering next year

SKILLS

Technical

Java	Autodesk Inventor	Computer Hardware
Python	Solidworks	Robotics
Arduino	Breadboarding	Microsoft Office

Transferable

Leadership	Problem Solving	Critical Thinking
Time Management	Quality Assurance	Verbal Communication
Adaptability	Teamwork	Organization

WORK EXPERIENCE

Xerox Research Centre of Canada
July 2016 – Aug 2016

Summer Co-op Student
- Prepared and tested substrates in the electronics print lab
- Replicated NFC chip in Solidworks for printing
- Modified toolpath for efficient printing time and resources
- Utilized Arduino and C# on project interfacing with touch interface

PERSONAL PROJECTS

Computer Engineering Course
Sept 2017

Collision Avoidance Vehicle
- Utilized Arduino and ultrasonic sensors to avoid walls and other objects
- Troubleshot electrical and software issues due to insufficient resources

Hack the 6ix
Aug 2016

Smoove
- Worked in team of 4 students from various backgrounds and skill sets
- Utilized Indico machine learning API to analyze text and twitter data
- Used Bing News and Giphy to return relevant topics based on Indico's output

EXTRA-CURRICULARS

McMaster Baja Racing Team
Sept 2017 – Present

Data Acquisition Team
- Implemented and maintained sensors for vehicle
- Currently updating radio system between the driver and the pits

Team 4308: Absolute Robotics
Sept 2013 – June 2017

Vice-President
- Managed team of 60 students in engineering and administrative sub-teams
- Handled team budget of $20000 for robot and competition expenses
- Used Autodesk Inventor to design a robot in 6 weeks
- Troubleshot software in Java and hardware issues

DECA Woodlands
Sept 2013 – June 2017

International Competitor
- Utilized communication skills to develop and present solutions for business case studies in 30 minutes
- Competed internationally in the hospitality cluster (Travel and Tourism)
- Competed provincially in the marketing cluster (Marketing Communications/Sports and Entertainment)