

# ABILARSH VIJIANANTHAN

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## EDUCATION

**McMaster University**  
Sept 2017

### **Bachelor of Engineering, Engineering I (Co-op)**

- Awarded scholarship for strong academic achievement
- Will specialize in computer engineering

## WORK EXPERIENCE

**Xerox Research Centre of Canada**  
July 2016 – Aug 2016

### **Summer Co-op Student**

- Worked independently preparing and testing 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
- Communicated results of projects with multidisciplinary team

## PERSONAL PROJECTS

**Computer Engineering Technology Course**  
Sept 2017

### **Collision Avoidance Vehicle**

- Utilized Arduino and ultrasonic sensors to avoid walls and other objects
- Troubleshooted 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

**Team 4308: Absolute Robotics**  
Sept 2013 – June 2017

### **Vice-President**

- Managed engineering teams
- Budgeted and managed team finances
- Designed and built a robot in 6 weeks
- Wired robot and troubleshooted issues

**DECA Woodlands**  
Sept 2013 – June 2017

### **International Competitor**

- Competed internationally in the hospitality cluster (Travel and Tourism)
- 2-time provincial marketing competitor (Marketing Communications/Sports and Entertainment)

## VOLUNTEER EXPERIENCE

**Mississauga Central Library**  
Apr 2014 – Jan 2016

### **Computer Buddy**

- Taught 4 weeks of one on one personal sessions
- Trained computer usage skills to the elderly