

# Mathuran Sadagopan

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3025 The Credit Woodlands #147 Mississauga ON L5C 2V3 | 647-444-4099 | mathuransada@gmail.com | <https://www.linkedin.com/in/mathuran-s-b70195124/>

## Highlight of Qualification

- Enrolled in McMaster Engineering program
- Skilled at using **Inventor AutoCad and Solidworks**
- Proficient in **C++, Java and Python**
- Strong Leadership skill as **President of Absolute Robotics team**

## Education

Enrolled in MCMASTER ENGINEERING 1 (Co-op)

## Work Experience

### MATH TUTOR

- Teaching Advanced Functions and Calculus to a student going into grade 12
- Acquired planning and higher-level thinking skills required to teach course material

### ROBOTICS INSTRUCTOR | JULY – AUGUST 2017

- Taught kids from grade 1 to 7 robotics
- Developed strong communications and established a fun environment for kids to learn about programming and mechanics

### VOLUNTEERING | MISSISSAUGA CHITO-RYU KARATE CLUB | SEPTEMBER 2013 –PRESENT

- Teach 4-6-year-old kids karate at my karate club. This experience taught me a lot about working with young kids but also working with people that are difficult to work with such as kids that are shy or hyperactive, or even older students who have autism. Furthermore, this experience taught me a lot about teaching and people.

## Extra-Curricular

- **President** of The Woodlands Absolute Robotics Club. Competed in FRC and VEX robotics competition (2015 – 2016)
- DECA (2011)
- **Senior** Jazz Band trombone player (2015 -2016)
- Workout club **Exec** and Soccer (2015 -2017)
- Black Belt in Karate (2017)

## Professional achievements

### Education

- Woodlands school ELP (Enhanced learning program)
- Honor role for grade 9 and 10
- Music Band repertoire award
- Silver Crest Award (maintained 80 % for all 4 years of school, Level 4 Music, gathered 30 community points from club involvement)

### MUSIC

- OBA Gold standard for Woodlands Senior Wind Ensemble | 2014-2016
- OBA Gold standard for Woodlands Intermediate Jazz Band | 2014
- OBA Gold standard for Woodlands Senior Jazz Band | 2015

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## Skills & Abilities

### **MANAGEMENT**

- I have lots of skills in teaching people, old and young people karate. Furthermore, karate being a very disciplined and strict art I have a strong sense of courtesy, discipline and respect
- In Robotics I manage 4 VEX and an FRC team. This position requires me to able to keep each team organized and on schedule for competition while also communicating between each team to increase productivity and efficiency.

### **SAFETY**

- Completed WHIMIS

### **SOFTWARE**

- Continuing to learn in **C++, Python, Java** Turing, Robot C
- Proficient in using **Arduino and other micro controllers**
- has experience working with motors and some sensors in robotics
- Experience using **Inventor AutoCAD and Solid Works**

### **Tools**

- Experience using hand saws, circular saws, reciprocating saws, band saws, angle grinders and drills

### **DRIVING**

- Class G2 license