

## SUMMARY OF QUALIFICATIONS

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- Currently enrolled in a leading entrepreneurship program, Velocity, at the University of Waterloo.
- Frontend (HTML, CSS, JS) web developer and currently learning backend(Node.js).
- Familiar with and currently learning: Scheme, C++, C and Java.
- Strong communications skills developed through 3 years as a Math instructor/peer tutor.
- Diverse skillset developed through taking courses in Mathematics, Computer Science and Electrical and Computer Engineering.

## PROJECTS

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### BRICK BREAKER

- Programmed my own version of Brick Breaker in JavaScript using the HTML canvas.
- Utilized arrays to build the bricks and randomize their colors.
- This project was my introduction to JavaScript and its various features.

### TRAFFIC LIGHT DETECTION

- Currently working with the Robotics Club to develop an algorithm that will recognize green lights and tell our autonomous car to start the race.
- This project gave me an introduction to MATLAB and image processing.
- Will eventually learn ROS to do other tasks.

### FITBOT- MESSENGER BOT

- Worked with a team in making a personal gym assistant through the Facebook Messenger Bot.
- Used Google Places API to tell the user which local Goodlife gyms were open and their respective ratings.
- Implementing a “Workout” feature that allows a user to add workouts, modify workouts and be able to see all of their workouts. Each “Workout” was stored as an object.
- This project allowed me to learn more about Node.js, using API’s and Chatbots.

## EXPERIENCE

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### PICKERING READING CIRCLES

#### Pickering, ON

*Senior Volunteer and Former Member of Board of Directors*

**Apr 2013 – Mar 2016**

- Orchestrated and built the *Math Circles* portion of the program.
- Designed and implemented a curriculum for kids in grades 6 through 8.
- Oversaw the education of around 29 kids and guided 10 volunteers during peak months.
- Recruited over 19 volunteers during a 2-year period.

### PINE RIDGE SECONDARY SCHOOL

#### Pickering, ON

*Co-Founder of Math Club and Physics Club*

**Mar 2014 – Jun 2015**

- Taught fellow students difficult concepts in Math and Physics.
- Helped prepare 7 students for Math and Physics contests taken place at the end of the school year.
- Tutored 7 kids during peak days of the week.

## EDUCATION

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### UNIVERSITY OF WATERLOO

#### Waterloo, ON

**Intended Major:** Applied Mathematics with an option in Communication and Control and Computer Science.

**2A Courses:** Logic and Computation, Linear Algebra 2, Calculus 3, Signals and Systems, Intro to Differential Equations.