**MANAS JOSHI**

2A Applied Mathematics

[github.com/Manas-Joshi-UW](http://github.com/Manas-Joshi-UW) [mvjoshi@uwaterloo.ca](mailto:mvjoshi@uwaterloo.ca) [Manas-Joshi-UW.github.io](http://manas-joshi-uw.github.io/)

**SUMMARY OF QUALIFICATIONS**

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

**PROJECTS**

**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.
* Implemented a “Workout” feature that allows a user to add, modify and print all of their workouts.
* Used Node.js to setup the Chatbot using the Messenger API.

**BRICK BREAKER**

* Programmed my own version of Brick Breaker in JavaScript using HTML canvas.
* Used timing events to fix bugs in the physics of the game.

**TRAFFIC LIGHT DETECTION**

* Working with the Robotics Club to develop an algorithm that will recognize green lights and tell an autonomous car to start the race.
* Learning MATLAB and image processing.

**EDUCATION**

**UNIVERSITY OF WATERLOO** **Waterloo, ON**

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

**EXPERIENCE**

**PICKERING READING CIRCLES Apr 2013 – Mar 2016 Pickering, ON**

*Senior Volunteer and Member of Board of Directors*

* 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 students and guided 10 volunteers during peak months.
* Recruited over 19 volunteers during a 2-year period.

**PINE RIDGE SECONDARY SCHOOL Mar 2014 – Jun 2015**

**Pickering, ON**

*Co-Founder of Math Club and Physics Club*

* 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.