MANAS JOSHI

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SUMMARY OF QUALIFICATIONS

- 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

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.

EXPERIENCE

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

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.