MANAS JOSHI
2A Applied Mathematics

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SUMMARY OF QUALIFICATIONS

- Frontend (HTML, CSS, JS) web developer and presently learning backend (Node.js).
- Familiar with and currently learning: Scheme, C++, C and Java.
- 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 communications 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.
- Implementing 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 kids 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.