

VISHVAM MAZUMDAR

1B Mechatronics Engineering Student

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in in/vishvam-mazumdar

EXPERIENCE

Junior Software Engineer Summer 2017

Cluep

- Programmed sister company's website from top to bottom (yaar.ai)
- Organized and developed the frontend and backend of the internal dashboard
- Used scikit and openCV to process images used to train image recognition software
- Worked with JavaScript, jQuery, React.js, Node.js, Python, SQL, HTML, CSS, and SASS
- Collaborated with software engineers, machine learning engineers, and UX designers

Tutor Dec 2016 – Apr 2017

Kumon

- Multitasked in a fast-paced environment, teaching up to 4 children at a time and marking
- Taught primary school students advanced math including integration, series, and linear algebra

PROJECTS AND ACTIVITIES

University of Waterloo Robotics Team

- Use ROS with python on Linux to build high level software along with C++ for low-level firmware for University Rover Challenge
- Built a line following, music playing robot with self-made audio circuit for intro challenge

Engineering Club President and Founder

- Taught over 40 students Java along with algorithms and structures in preparation for CCC
- Taught students Autodesk, rapid prototyping, and Arduino to compete in RobOlympics

Electric Bike and Generator

- Built multidirectional system in which bike could charge battery, and battery could power bike

HIGHLIGHTS

- Recognized by Prime Minister of Canada as role model for placing 2nd in the world on NASA contest
- Work as software engineer developed strong critical thinking and debugging skills
- Vast experience running school clubs and leading projects developed strong project management skills

TECHNICAL SKILLS

Programming Languages

Javascript, Python, C++, Java, C#, MATLAB

Tools/ Frameworks

ReactJS, NodeJS, jQuery, ROS, Git, Linux Cmd Ln, InVision, HTML/CSS

Mechanical

AutoCAD, SolidWorks, GD&T

ACHIEVEMENTS

2nd In the World – NASA Space Settlement Contest

- Competed against over 6000 students worldwide
- Received letters of congratulations from Prime Minister Justin Trudeau and President of the CSA
- Featured on CBC radio, Metro Toronto, other media

Top Student PDSB 100% Avg.

1st Place UW Mechatronics Competition