

# Rinay Shah

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## ⚙ Skills & Summary

- o Placed 2<sup>nd</sup> worldwide on NASA Space Ames Contest and received a letter of recognition by Prime Minister of Canada.
- o Software enthusiast, most experienced in C, Java, and C#, with strong analytical, critical thinking, and debugging skills
- o Capable of leading and working within a team with multiple tasks at hand, ranging from software to hardware.

**SOFTWARE:** Java, C#, C, Python, JavaScript, HTML, CSS, VHDL, Git, MATLAB

**FRAMEWORKS/LIBRARIES:** p5.js, Bootstrap, jQuery, .NET

## 📖 Experience

Research Intern, Ryerson University 📅 May 2018 – Present

- o Configured a Multiple-Kinect V2 tracking environment by acquiring the joint skeleton data from four Kinects using Microsoft Kinect SDK 2.0. Used TCP/IP client-server network to send the joint data from multiple clients to a single server.
- o Work with graduate students to implement a Kinect fusion algorithm to merge the multiple Kinect data to create a single 360° skeleton.

Webmaster, IEEE Ryerson Student Chapter 📅 May 2018 - Present

- o Use HTML, CSS, JavaScript and to update and improve the IEEE Ryerson Student Chapter website.
- o Acquired front-end web developer skills by maintaining the user interface and the style of the website.

## 🔧 Engineering Projects/Teams

IEEE E-Bot Workshop

- o Develop software for an autonomous E-Bot using Arduino, working with DC Motor using the motor shield and the accelerometer.

IEEE IoT Smart City Hackathon (3<sup>rd</sup> Place)

- o Built automatic street lights with crash detection ability using ultrasonic, sound sensors and HUZZAH ESP8266.

Human Handwriting Imitator

- o Created software with C# which once synchronized imitates the user's handwriting.

## 🎓 Education

Computer Engineering, Ryerson University 📅 Sept 2017 – Present

## 🏆 Achievements

- o Received a letter of congratulatory from the Prime Minister, Minister of Innovation, Science and Economic Development, and from the President of the Canadian Space Agency.
- o Presented at the International Space Development Conference, Innovation Nation Conference, and Annual AstroNuts Space Camp & STEM Contest.
- o Featured on CBC radio, Metro Toronto, other media.

## ⚙ Interests

- o Gaining exposure to new programming languages and building hardware systems.
- o Attending hackathons (e.g. Major League Hacking) to apply knowledge in a rapid-paced environment.
- o Extracurricular activities such as IEEE workshops, clubs and teams.

## 🍵 Hobbies

- o Reading, Cricket, Soccer, Basketball, Swimming, Travelling, Music, and Chess