

# Parth Agarwal

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## SKILLS

*Languages:* Java, Python, HTML, CSS, Kotlin, XML, C++

*Technologies:* Arduino, Office 365, Android Studio, Raspberry Pi, AutoCAD, SolidWorks, NI myDAQ, LabVIEW

## EDUCATION

### Candidate for BASc Nanotechnology Engineering Co-op

Sept 2020 - Present

University of Waterloo | Waterloo, ON

- GPA : 3.71
- Relevant Course: NE 111 (Intro to Programming)

## SUMMARY OF QUALIFICATIONS

- Indispensable leadership, communication, and teamwork skills to manage team projects for my Robotics Club, Notify, Arduino project and Camp Riverwood roles.
- Essential time-management skills in quick follow-through and stressful situations shown through working on Notify and through performances in the 2019 Ontario Skills Competition.
- Strong understanding of Python from NE 111 course demonstrated by mark of 95%.

## EXPERIENCE

### Robotics Club

Sep 2018 - May 2020

Executive Member | Pickering, ON

- Participated in and led Robotics meetings with approximately 20 members authoritatively and efficiently.
- Created, taught and tested various aspects of autonomous and semi-autonomous robots effectively for the 2020 Ontario Skills Competition using Raspberry Pi and Arduino.
- Implemented engineering strategies with a partner to solve problems in the robotics and automation industry at the the 2019 Ontario Skills Competition placing 6th overall for the Robotics and Control Systems event.

### Camp Counsellor

Jun 2019 - Aug 2019

Camp Riverwood | Pickering, ON

- Collaborated with others effectively to maintain a safe work environment for dozens of children ranging from age 6 to 12.
- Served as exceptional role model to several age groups and personalities throughout camp programs and associated activities.
- Assisted in maintaining accurate program records, including incident reports, logbook documentation, and daily attendance.

## PROJECTS

### Notify

May 2020 - Present

Android Development | Remote

- Currently developing an Android application with several other students which allows users to schedule appointments for a variety of businesses using Kotlin, XML and Java.
- Establishing a successful work environment by providing coding experience, productive ideas, and creative insights to the team to further improve the app.

### Arduino

- Designed and constructed a working fan with separate speed levels and an LED indicator with a partner using coding language C++, a breadboard, and an Arduino Uno.
- Completed several other small-scale projects with Arduino Uno for Computer Engineering course resulting in mark of 100%.