

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

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 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%.