

Siddarth Kachu

Mississauga, Ontario
647 904 3338 | kachus1@mcmaster.ca

Skills:

- Computer skills:
 - Very Experienced with Python, Aurdino and microcontrollers
 - Experienced in Keil for microcontroller and embedded systems development
 - Experienced in C, C++, Verilog, Matlab and LTSpice
 - Extensive knowledge of computer hardware
 - Experienced in Inventor CADing software
- Machining parts
- Object Oriented Programing
- Problem solving and team working skills

Volunteer and Work Experience

Experience Ventures Oppurtunity - Westinghouse | 2021

- Promptly developed solutions to a provided problem to aid in training employees to work in radioactive environments such as a nuclear power plant

Robotics Outreach Events | 2018-2020

- Ran robotics demonstrations to introduce youth to the First Robotics Program
- Organized technical challenges for students to develop interest in robotics and STEM field
- Managed newer members during events

Studica Limited | 2018

- Created concise guides and documentation to introduce programming methods and the language to students
- Quickly learned how to use proprietary programming software for First Robotics challenges

Projects

- Analog to Digital signal converter
- LIDAR imaging with ToF sensor using MSP432E401Y microcontroller
- UART Serial Communication using Python and microcontroller
- Wind turbine blade design

Extra-Curriculars

September 2017 - July 2020 | FRC Robotics Team 1325 - Inverse Paradox

- Building and machining components of autonomous robots
- Efficient use of power tools
- Prototyping subsystems and drivetrains
- Teaching and leading role for younger robotics students
- Working in a fast paced environment with several peers

Education

Electrical Engineering at Mcmaster University - 2020 - 2024