

GAURAV SAINI

ELECTRICAL ENGINEERING
STUDENT

CONTACT INFORMATION

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SUMMARY OF QUALIFICATIONS

- 4 years of technical and engineering experience developed through Vex Robotics Club
- 2 years of experience working with circuitry and desktop components
- Self-taught intermediate level C++ and Python through robotics and personal projects
- Developed leadership and teamwork skills through my positions in Robotics club and Lowes customer service.

INTERESTS

- Robotics Club
- PC Building
- Running

PREVIOUS EDUCATION

University of Waterloo

- Candidate for Bachelors of Applied Science

SKILLS AND ABILITIES

- C++ intermediate level understanding through working with concepts such as Object Oriented Programming, arrays, classes, vectors, variable types
- Experience in Python coding developed through Highschool and Robotics
- Thorough understanding of PC components developed through building and tearing down desktop computers
- Experience using various electrical tools such as multimeters, breadboards, soldering irons and power supplies
- Communication and interpersonal skills developed through my experiences working with students, project members and customers.

PERSONAL/UNIVERSITY PROJECTS

Minesweeper Clone C++

- Created a minesweeper clone using C++ through console output

Operations on Matrices in C++

- C++ program that is able to compute the cross product and addition of Matrices while also printing the matrix

Desktop and Server Construction

- Built Desktop PC's from separate components along with setup server connections

EXPERIENCE

Sales and Customer Service Representative

Lowes (June 2020 - Sept 2020)

- Awarded Lowe's Employee award for self-initiative for creating a system to sort loaders and cashiers to make customer assistance more efficient
- Assisted customers with purchasing merchandise while ensuring new COVID - 19 precautions were being implemented sufficiently
- Assisted department manager with visual merchandising to optimize the presentation of Lowe's appliances

Robotics Club Executive

North Park Secondary School (Sept 2016 - June 2020)

- Led and taught new members the skills and attributes required to succeed in robotics (e.g., time management, creativity, problem solving, team-work) ensuring all team members are able to work efficiently with the rest of the team
- Worked through various engineering projects and gained experiences such as assembly, soldering, fabrication and rapid prototyping
- Faced the given building challenges by applying critical thinking and coming with creative solutions such as new robot schematics, applying different drive chain ratios or using different parts