SHIVAANI MAKESAN

2nd Year Computer Engineering Student

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SUMMARY OF QUALIFICATIONS

- Strong foundation in C++ fundamentals, algorithms, testing and debugging strategies
- Developed apps using Android Studio, embedded system design, analysis and processing
- Command line experience with Linux/Unix, Mac and Windows operating systems
- Complex circuit schematics drawn using Multisim/Altera Quartus
- Excellent communication skills gained through technical reports, work experience and leadership positions
- Collaborative/Leadership skills demonstrated while working as a Dance Teacher and Academic Tutor

EXPERIENCE

STEM Coordinator
Institute of Robotics & Intelligent Systems
Jun 2017 - Aug 2017

- Managed customers of several branches from working through main office
- Implemented new marketing techniques to post ads on various social media platforms
- Established many new partnerships between other companies and IRIS Canada to increase exposure to potential new customers

Receptionist
SNM Health Centre
Jan 2014 - Aug 2016

- Enhanced verbal communication with safety protocols and interactions with patients
- Demonstrated strong decision-making and time management skills while creating patient records and organizing the schedules of the clinic's employees

Personal Tutor
FMM Catholic Academy
Sept 2015 - Jun 2016

- Tutored students to achieve their full potential through exposure to complex mathematical and scientific concepts, and grasping new tenses in French

PROJECTS

- Programmed an arithmetic game that detects hand gestures.

EDUCATION

University of Waterloo
Expected 2021

- Candidate for B.A.Sc., Computer Engineering
- President's Scholarship (for 90%-95% admission average)

SKILLS

Digital Computers

- Emphasized on concepts of general RISC assembly and the ARM instruction set.

Algorithm Analysis in C++

- Implemented recursive algorithms, linked, elementary data structures, classes, sorting algorithms and basic memory management in C++ language.
- In addition, a deep understanding of pointers was gained through the concept of traversing

Embedded Systems

- Focused on event-driven programming with the integration of sensors and actuators of devices.
- Utilized Java to code applications for Android with Android Studio.

INTERESTS

- Dance
- Painting/Drawing (Graphics)
- Video Editing
- Puzzle Games