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OBJECTIVE

To obtain a position in a well-established multinational company where I can put my skills to work and enhance them and gain more knowledge while furthering my skills; at the same time, making useful contributions to the company with all my efforts.

EDUCATION

Bachelor of Science - Computer Engineering Sept 2013 – Present
Queen's University – Kingston, ON Graduate in July 2018

- Was awarded the Queen's University Excellence Scholarship in 2013.
- Was awarded with the distinction of Dean's Scholar every year since 2013.
- Received an invitation from the University for the accelerated Master's program due to academic excellence.
- Programmed a robot in C as a project for the course APSC 142 (Introduction to Computing Programming for Engineers.
    - Successfully programmed a robot to pass through a maze avoiding any collisions with any of the walls using sonar sensors and displayed the path traversed by the robot on the screen.
    - Programmed the robot to find and follow the color-coded path using infrared sensors.
    - Designed and coded the Space Invader game for users to play on the robot's screen by choosing a different mode.
- Attended YHacks (Hackathon at Yale University), 2016 where the team worked on an application.
    - The web application would help people in money/budget management
    - The application would also suggest how to save money or cut down budget to save for a big future expense
    - Web application was designed using Node.js, MySQL, HTML, CSS and Bootstrap
- Worked on a project in developing an application using C++. The application is named RideFind and it is an application to improve the car-pooling system. It is mainly based of C++ GUI and My SQL.
- Worked in a team project, on a research paper based on the Convolution of 2D/3D image processing. Attempting to come up with improved results on processing an image using Artificial Neural Networks and Genetic Algorithms.
- Designed a simple assembler program for the mini SRC computer system using VHDL.
- Designed an iPhone application that would help the Queen's Alumni to book rooms for staying. Application was made using XCode, HTML, PHP, MySQL.

WORK EXPERIENCE

Internship at AMD (Regression Manager in Display IP Verification Team) May 2016 – Present

- Already managing over 150 different regressions for 4 different projects over the period.
- Updated the regression website using PHP and HTML and handled the projects database using PSQL.
- Helped create various scripts that were required for timely and efficient functioning of the projects.
- Responsibilities included creating, starting, killing and deleting regressions. Debugging the errors in regression tests and reporting the errors was also a part of the job.
- Managed the limited disk space constantly to make sure that regressions run properly and the project can successfully meet all the deadlines.

Teaching Assistant (Intro to Computer Programming) Jan. 2015 – Apr. 2015
Queen's University, Kington.

- Acted as an aid to the professor in the studio to assist first year students with questions regarding the robots.
- Marked quizzes and projects on behalf of the professor based on the guidelines provided.
- Assisted the students in helping them grasp and understanding the concepts of basic programming.

TECHNICAL QUALIFICATIONS

- Languages – Objective C, C++, Java, HTML, MySQL, ASP.NET, Shell/Bash, VHDL, Nios II Assembly, C shell, Python, PSQL, PHP, Ruby, Node.js, CSS, JS, Bootstrap
- Environments/ Operating Systems: Linux/Unix, Windows, Microsoft Visual Studio, MATLAB, BlueJ, NetBeans, Eclipse, CodeBlocks
- Writing Skills – Efficient in producing concise and organized reports, labs and memos
- Software Suites - Microsoft Office, Adobe Photoshop, Solid Edge

RELEVANT COURSES

- Intro to Computer Programming for Engineers (Robot C Language)
- Fundamental of Information Structures (Objective C)
- Intro Computing Science II (Java)
- Fundamental Software Development (C++)
- Artificial Neural Networks and Genetic Algorithm
- Mechatronics Project (Arduino)
- Electric Circuits
- Electronics I
- Digital Systems
- Computer Architecture
- Microprocessor Interfacing and Embedded Systems
- Digital Systems Engineering
- Algorithms I
- Discrete Mathematics
- Probability and Statistics
- Operating Systems
- Databases Systems

INTERESTS AND HOBBIES

- Volunteer work for HelpAge India: Identified slums with destitute elderly and helped raise awareness in Kanpur, India.
- Tennis, Cricket, Travelling, Music and Karate