Yanushka Gnanamuttu, EIT

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Objective

Seeking full time employment as an embedded systems software engineer.

Experience

SOFTWARE DEVELOPER | SENSORS & SOFTWARE | MAY 2019 - PRESENT

· Developed applications, tools and processes to deploy and configure ground penetration radar (GPR) software
· Maintained and expanded the application's sensors API that uses various interfaces such as I2C, TCP/IP, IPC and Ethernet on a real time operating system (RTOS)
· Utilized encryption algorithms to package our application
· Efficient in creating CI workflows in a cloud environment using Docker and GitHub
· Work along side the project management team to debug customers systems and issues
· Wrote closing documentation, project proposals and technical documents

SOFTWARE ANAYLST INTERN | THALES | MAY 2018 – AUGUST 2018

· Assisted with the implementation of autonomous train positioning solutions and vehicle detection
· Improved the performance of the image processing code through multithreading and targeting the GPU
· Enhanced the image quality of the camera, and implemented real-time adaptive lighting

IT DEVELOPER INTERN | TD BANK | MAY 2017 – AUGUST 2017

· Created and deployed automated testing scripts using Selenium and JUnit to notify a team of developers when errors exist within TeamSite
· Applied Agile Methodologies

Skills

LANGUAGES

- C++
- Python
- Javascript
- Bash

PLATFORMS/TOOLS

- Git
- Linux (Yoctco)
- ROS
- CMake
- Docker
- RTOS

Education

BACHALOR OF APPLIED SCIENCE | MAY 2019 | UNIVERSITY OF OTTAWA

· Major: Computer Engineering