Yanushka Gnanamuttu

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Objective

· 3+ years of software development experience for a wide range of applications using many different technologies
· Proven ability to leverage object oriented programing and system design to improve the performance of many systems

Experience

SOFTWARE DEVELOPER | SENSORS & SOFTWARE | MAY 2019 - PRESENT

· Designed and maintained several C++ and Python based APIs for various embedded and desktop applications. Some APIs include a custom REST APIs, networking library, and a common sensor library
· Improved the performance of the radar collection API by 150%, which allowed customers to collect radar data at much faster rate
· Successfully built virtual environments using Docker and GitHub workflows
· Mentored several new developers within the Engineering team
· Provided insight as a subject matter expert for data communication and backend technologies for next generation software

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 / Shell

PLATFORMS/TOOLS

- GitHub
- Vue.js
- pytest
- JSON-RPC
- Docker
- Linux
- Boost
- ROS

Education

BACHALOR OF APPLIED SCIENCE | MAY 2019 | UNIVERSITY OF OTTAWA

· Major: Computer Engineering