

Yanushka Gnanamuttu

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Experience

SOFTWARE DEVELOPER | SENSORS & SOFTWARE | MAY 2019 - PRESENT

- Lead development on various full-stack products, tools and libraries for ground penetrating radar (GPR) software.
- Created multiple CI workflows using Docker and GitHub; resulting in a 30% faster turn-around time to find bugs.
- Worked alongside stakeholders and project managers to present project status and inform decision making.
- Improved internal processes for stakeholders to support product delivery by introducing proof of concepts and technical debt projects as a part of project proposals.
- Collaborated with a team of developers to build a distributable SDK to control GPR products; this product was adapted by both customers and sister companies.
- Mentored several new developers and presented new and current software technologies to both technical and non-technical team members.

SOFTWARE ANALYST INTERN | THALES | MAY 2018 – AUGUST 2018

- Worked alongside the research team to add features to the positioning and vehicle software for an autonomous train system.
- Investigated and performed tests on various open source vision libraries to use in the next release of the autonomous software.
- Collaborated with a third party vendor to configure sensors used in demonstration of the train system.
- Enhanced the image quality on the camera, and implemented real-time adaptive lighting to improve detection in dimly lit rooms.

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 a cloud environment, to reduce downtime.
- Applied Agile Methodologies.

Education

BACHELOR OF APPLIED SCIENCE | MAY 2019 | UNIVERSITY OF OTTAWA

- Major: Computer Engineering

Skills

LANGUAGES

- C++
- C
- Python
- JavaScript
- TypeScript
- Bash

PLATFORMS/TOOLS

- Git
- GitHub
- Linux & Windows
- VSCode
- Visual Studio
- CMake
- ROS
- Boost
- Flutter
- Docker
- React
- pytest

Additional Experience

- **GLP Representative (2021 – Present):** Participate in annual meetings with Kingsway's Ontario Member of Parliament.
- **Founder of uOttawa's Robotic Team (2016 – 2019):** Create the first university's robotics team. The team competed in autonomous boat challenge placing 6th out of 12 teams in our first year.