Tran Truong Giang

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Skills

- **Language**: C · C++ · Python · Bash
- **Tools**: Git · Jenkins · Klocwork · Jira · Confluence · Yocto Linux · QNX · Protobuf · Robot Framework · V4L
- **Methodology**: Agile · V-model

Experience

Continental Automotive Singapore
Nov 2018 – Present

Interior Camera Platform · Developer / Scrum master / CI maintainer *2018 – 2021*

- Played a part in a core team of 3 to successfully bring up SerDes camera driver, bootloader software for the first embedded Linux system of the department, successfully demonstrated the product to the customer.
- Implemented and optimized software compiling/building process using bash script, helping to optimize the building time of the software.
- Brought up and maintained the platform CI system to ensure the hardware and software working condition.
- Delivered 3 modules Imager Controller, Inter-Core Communication and Imager Fault Detection.
- Assisted team members to clear all the impediments, motivated team to achieve the team sprint goal.
- Actively coordinated with other stakeholders to get the agreement for the working condition of the hardware, software and collaboration process between Scrum teams.

Technologies: C, C++, Python, Bash, Yocto Linux, V4L, Jenkins, Robot Framework, Google Test, AUTOSAR.

BMW Driver Camera System · Developer *2021 – 2022*

- Actively pulled tickets, fixed more than 10 bugs for Diagnostic Trouble Code system and Diagnostics module.
- Analyzed customer requirements of Diagnostics module, proactively provided suggestions to improve the requirement, help customer understand about the working condition and how it should be enhanced.
- Successfully delivered two new Diagnostic Trouble Code in failed I2C Communication and Bad Image Quality.

Technologies: C++, Google Test.

Camera Competitiveness Initiative · Developer *2022 – Present*

- Delivered new 5MP SerDes Camera driver integrated into platform system for new product demonstration.
- Integrating the Driver Monitoring System with the QCarCam and QNX APIs to run with the new camera driver.

Technologies: C, C++, QNX, QCarCam, Bash, Bitbake, CMake.

Robert Bosch Vietnam
Dec 2017 – Nov 2018

Passive Safety System *Dec 2017 – Nov 2018*

- Proposed implementations for Blackbox module based on Customer Requirement and System Architecture.
- Performed configuring and coding based on proposed implementations.
- Wrote unit test and supported in writing integration test base on the design and software architecture to assure the software delivery quality.

Technologies: C, AUTOSAR.

Education

Nanyang Technological University
Aug 2013 – May 2017

Bachelor in Mechanical Engineering · Mechatronics stream

Certificates

- Linux Device Drivers for Embedded System · NTU
- Professional Scrum Master I · Scrum.org
- Object – Oriented Data Structures in C++ · Coursera
- Object – Oriented Design · Coursera