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| 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

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| **Continental Automotive Singapore** | *Nov 2018 – Present* |
| **Interior Camera Platform · Developer / Scrum master / CI maintainer** | 1. *– 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.*

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| **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.*

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| **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.*

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| **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

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| **Nanyang Technological University** | *Aug 2013 – May 2017* |

Bachelor in Mechanical Engineering · Mechatronics stream

# Certificates

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