CHIN HUNG VUI

B.Eng. (Hons) Electrical – Electronics (Major in Telecommunication), University Technology of Malaysia | Malaysian & Singapore PR

leonardchin2017@gmail.com | +6583825042 | linkedin.com/in/chin-hung-vui-a94719155/ | github.com/LeonardChin2017

System Integrator, Continental Automotive Singapore (April 2021 – Present)

C/C++, Python, Java, CI/CD (Jenkins), Robot Framework

- deploy and maintain CI/CD pipeline for new project using Jenkins, Git, Jira, and Klocwork.
- develop, maintain, and debug system level software modules on Linux based Embedded System (GHS Integrity OS)
- setup and maintain Automation Test Bench for Integration Test using Robot Framework.
- releasing and documentation of software to Customer.

Feature Responsible, HMI Developer, GC Application Developer, Continental Automotive Singapore (July 2019 – April 2021)

C/C++, Python, CGI Studio

- holding the roles of Software Feature Responsible (FR), Graphical Controller (GC) Application Developer, and HMI Developer at the same time.
- responsible for complete function chain of Warning Subsystem (critical Subsystem in Full Digital Cluster project).
- leading the design and development of modules and packages in warning subsystem.
- manage to implement warning subsystem from scratch and successfully deliver to customer with very tight schedule.
- analyse and clarify requirement with Japan OEM (JOEM).
- document software specification according to customer's requirement.
- involve in entire SDLC include creation, realization, testing, and documentation phase.
- participant in review process to assure the quality of software and documentation.
- familiar with entire project architecture (AC - GC), IIP framework, Courier Framework, and Candera CGI Studio (Embedded HMI design tool).
- working under agile methodology.

SOC/CPU Silicon Design Engineer Intern, Intel Malaysia (June 2018 – August 2018)

- Pre-Silicon Software verification of RTL design in System Verilog

Side Projects

ABU Asia-Pacific Robot Contest

- leading the development of STM32 and successfully deploy custom-made and working PCB using STM32F4 MCU on robot within 1 year. Before this, the team was using PCB with Microchip MCU for many years.
- develop drivers for STM32F3 and STM32F4, including UART, USART, I2C, CAN, SPI, OLED, LCD, PWM, and QEI.
- leading mobile app development related topics in the team. The mobile app is written in Java and IDE is Android Studio.

Awards:

- First Runner Up of Asia-Pacific Robot Contest (ROBOCON) held at Tokyo, Japan (2017)
- Champion of Asia-Pacific Robot Contest (ROBOCON) held at Bangkok, Thailand (2016)

Health Sight

Health Sight is an intelligent surveillance system that can understand and predict activities and movements of the patients, using deep learning technology, to prevent unwanted incidents.

Awards: Champion of Microsoft Imagine Cup Malaysia 2018

InsightX

InsightX is a robotics diagnosis system based on big data analytics and machine learning.

Awards: Regional Winner of Innovate Malaysia (SAS Track) 2018

MESO

MESO is a machinery diagnosis and predictive maintenance system.

Awards:

- Champion of The Great Lab (TGL) Grand Design Challenge 2017
- Champion of Internet of Things (IoT) Hackathon 2017

Other achievements

- Vice Chancellor Awards
- Dean List