

Career Overview

I'm fourth-year student at Thai Nguyen of Information and Communication Technology university

I want to be a Linux Embedded Engineer and have deeply understand about Linux Kernel.



Education & Training

LINUX EMBEDDED INTERNSHIP AT FPT SOFTWARE

05/2019 - PRESENT

Board: Udo0 neo 6sx, Beaglebone Black

Skills and knowledge:

- + File I/O operation.
- + Process management
- + Multi Thread programming.
- + Share memory
- + Socket
- + IPC
- + Character device driver.
- + Interrupt handling.
- + System call.
- + Device tree.
- + Watchdog driver.
- + GPIO controller driver.
- + Can read and understand source code of linux kernel.

Projects:

- + SPI protocol driver for Beaglebone Black.
 - SPI standard in Linux kernel.
 - SPI protocol driver with Nokia 5110 LCD.
- + GPIO controller driver for Beaglebone Black.
 - GPIO standard in Linux kernel.
 - Pin muxing.
 - Interrupt controller.
 - Device tree.
- + Watchdog driver
 - Watchdog standard in Linux kernel.
 - Device tree.
- + Blink led character device.
 - Character device driver.
 - Interrupt handling.

TRAINING ON EMBEDDED SYSTEM BARE-METAL

06/2017 - 09/2017

Board: Stm32, K146z

- Develop bare metal driver for Stm32, K146z: GPIO, UART, SYSTICK, NVIC, MCG
- Familiar with ARM architecture.

THAI NGUYEN OF INFORMATION AND COMMUNICATION TECHNOLOGY

08/2015 - PRESENT

Major: Computer Engineering

- Electronics and embedded system with 8051, PIC16F877A, Arduino.
- Support ESP8266 module for Smart home project.



20/04/1998



Male



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github.com/TrongDungEmb98



https://www.fb.com/mrEmbedded

AREAS OF EXPERTISE

C/C++

JAVA

English

Embedded System Programming

Linux Embedded Programming

Teamwork and working independently

HOBBY

- Programming
- Reading book
- Study and Sharing knowledge for others people



Achievements

Win the third prize in the Linux Embedded Challenge competition.

8/2019

Win the consolation prize in the school-level algorithm competition.

2017

Receive scholarships during the semester.

2015 - PRESENT