



# LE CONG MINH

## Embedded Software Engineer



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### Summary

- I can use the C/C++ language in the embedded system.
- I can use several MCU such as PIC, ATMEGA328P, ESP8266.
- I hope to be able to get more exposure to modern embedded systems in the world.

### Skills

#### Programming Languages

- C: Pointer, Struct, Union, Memory Mapping, Extern, Volatile
- C++: OPP, Class, Namespace, Vector, Virtual Function, Template

#### Programming Microcontroller

- Arduino, PIC, Raspberry Pi
- Knowledge about I2C, SPI, UART
- Knowledge of ADC, Interrupt, GPIO, Timer

#### Other Skills

- Using Git
- Google Test, Google Mock
- TOEIC: 590
- Microsoft Office
- Work independently or in groups

### Experience

Project: Indoor Localization System by Using WIFI  
Mar 2021 - Jun 2021

- Design an Android app for collecting Wi-Fi signal strength by using Android Studio.
- Building a Machine learning using Python to train the data obtained and return the current position of patients with room-level accuracy.
- Design an interface to display the result for the supervisor.

Project: Design a fall warning device for the elderly to send a warning signal by phone

Mar 2020 - Jul 2020

- Circuit design, programming on Arduino UNO, ESP8266, accelerometer ADXL345.
  - Using the I2C interface to communicate between microprocessor and sensor.
- Used C language to control the device.

### Education

HCMC University of Technology and Education  
2017 - 2022

Biomedical Engineering

GPA: 7.45 / 10

Accumulated knowledge:

- Principles of operation and application of medical devices
- Hospital information system
- Designing electric circuits, programming microcontroller