



PHẠM NHẬT SINH

Embedded Software Engineering

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OBJECTIVE

Short-term plan

- Looking for a position to gain more experience and developing myself further in the Embedded System field
- Achieving TOEIC Certificate with a score of 550+
- Graduating from Ho Chi Minh City University of Technology and Education with a good degree

Long -term plan

- Becoming a good engineer
- Having opportunities to learn and work abroad

EDUCATION

2017 - 2021

HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY AND EDUCATION

Major: Electronic and Telecommunication Engineering Technology
GPA: 7.47/10

SKILLS

Language

English

Speaking: Basic communication with people

Writing: Can write a report in English

Reading: Can read documents relevant to my jobs

Knowledge

Understand the knowledge of electronics

Basic understanding of Micro-Controller and Embedded System

Protocols

Have basic knowledge of UART, I2C, SPI, USB Protocols

Development languages

Have basic knowledge of C, Python programming languages

Development boards

STM32F103C8, PIC16F887, ATmega328P, ESP8266, ESP32...

Development tools

Development embedded: Keil uVision5, STM32Cubemx, PIC CCS

Compiler, Visual Studio Code, Arduino

Circuit Board Design: Altium, Protues, Easyeda

WORK EXPERIENCE

May 2020 - Aug 2020

Internship

Host Company: Elex Lab

Project title: Develop the peripheral communication circuit system

Missions:

- Circuit Board Design

- Programming on the microcontroller to communicate with peripherals
Development boards: PIC16F887, ESP8266
Development tools: PIC CCS Compiler, Altium
Programming tools: C

Jan 2021 - July 2021

Internship

Host Company: Renesas Design Vietnam Co., Ltd
Project title: Detect and Improve for the module in the MCAL AUTOSAR
Missions:
- Develop tool convert from BSWMD file to Excel file
- Improve ECODE and TCODE for module PWM
Development tools: Visual studio code, Davince...
Programming tools: C/C++, Python

SCHOOL PROJECT

Project 1

Monitoring and Control System for Home Automation using IOT technology

- Task:
 - Build an IoT system to control devices in the room via a mobile app using Wifi. Working in both manual and automatic modes
- Development board: ESP8266
- Development language: C
- Development tool: Arduino

Project 2

Student attendance system using fingerprint and RFID card

- Task:
 - Building a student attendance system with fingerprints and RFID cards, storing data on the database
 - Develop a website to users can register, login and retrieve data
- Development boards: STM32F103C8, ESP8266
- Development language: C
- Development tools: STM32Cubemx, Keil uVision5, Arduino

Graduation Project

Design and construction of human resource management system

- Task:
 - Building employee attendance system using the fingerprint sensor and RFID card controlled by Nextion screen
 - Building entrance system with RFID card
 - Building a database for the system
 - Develop a website to users can register, login and retrieve data
- Development board: ESP32
- Development languages: C, JSON
- Development tool: Visual studio code

ACTIVITIES

2017 - 2020

- + **Member of the Science Research Club (2018)**
 - + Join to support the AUN_2018-Faculty of Electrical-Electronics (2018)
 - + Volunteer: Green sunday day campaign (2019)
 - + Volunteer: Spring volunteer campaign (2020)
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HONORS & AWARDS

2017 - 2020

- Second prize in "Đua Xe Điều Khiển - F1 Racing" (2017)
 - Second prize in "SV SPKT Giải Điện Tử" (2019)
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