TRAN NAM PHUONG

INTERN EMBEDDED DEVELOPER

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OBJECTIVE

Apply experience to develop and optimize software used in embedded devices .

SKILLS

-Skills in using Linux operating system (raspberry).

-Skilled in C/C++ : Control statement, Function, OOP,Array and Pointer.

-Microcontroller Embedded C : GPIOs, I2C, SPI, USART, Structures, Unions, Pointers.

-Good English communication.

-Toeic : 625

EDUCATION

2020 - 2024

MECHATRONIC ENGINEERING TECHNOLOGY

HCMC Univercity of Technology and Education

Senior

GPA : 7.27

INTERNSHIP EXPERIENCE IN THE COMPANY

TMA solutions

9 - 2023

APPLICATION OF EMBEDDED IOT

-Your team size : 03

-Technology description :

• C\C++ (uses standard SPI protocol).

• Java (app mobile) .

-Equitment:

• ESP32-WROOM-32U (Esp32 , Lora).

-Software for coding:

• Adruino IDE , ChirpStack , Anroid studio .

-Main function description:

• Use the phone device to send values to the lora server via ESP32 (bluetooth), from the esp32 send to the gateway (lora), then send to the lora server and vice versa.

EXPERIENCE IN SCHOOL

5 - 2023

FIRE ALARM SYSTEM IN GARAGE

-Link github : https://github.com/namphuong20146470/namphuong20146470

-Your team size : 03

 -Technology description :

  • C\C++ (uses standard MQTT protocol).

  • HTML , CSS , Javascript (JSP).

-Equitment:

  • Raspberry (Linux ubuntu).

-Main function description:

  • Early detection and warning of re in the garage area, when the sensor receives the value from the garage, the pump automatically activates to extinguish the immediately.

  • Create a website to monitor the temperature status of the garage if it is found that the temperature is too high, there will be a timely method.

EXPERIENCE IN SCHOOL

6 - 2023

APPLICATION OF MICROCONTROLLERS STM32F205VCT, STM32F103VCT

-Link github : https://github.com/namphuong20146470/namphuong20146470

-Your team size : 01

 -Technology description :

  • C\C++ (uses standard UART protocol).

-Main function description:

  • Application in the field of manufacturing, operating machinery in industrial parks to replace manual labor.