

PHAM TRONG HUYNH

Embedded Software Engineer (intern)

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OBJECTIVE

An internship position will allow me to explore the field of embedded programming. Through the knowledge learned in college and self-research through projects, I always want to be able to use it to contribute to your company.

EDUCATION

- University of Information Technology – Ho Chi Minh City
- Major: Computer Engineering
- Current GPA: 7.99 / 10
- Subjects studies:
 - Programming languages: ASM, C, C++
 - Tools: Vs Code, Matlab, Simulink, Proteus, Quartus

EXPERIENCE

Internship at Realtime Robotics Vietnam (Tester)

Jul 2022 – Nov 2022

- Use Git to manage source code
- Write bash script to run Linux commands, collect UAV specifications
- Simulate flight conditions and evaluate the video stream quality of the system
- Upgrade database editing software

UAV in rescue (Group member)

Feb 2022 – Now

- Use stm32F1 microcontroller, PWM, timer, interrupt, I2C, UART, SPI
- Use IMU MPU6050 as a sensor to balance UAV
- Use Mahony Filter to de-noising for the sensors
- PID controller application for control

Smart Clock Project (Group member)

Oct 2021 – Dec 2021

- Used to manage time, alarms, temperature notifications
- Esp8266 nodeMCU communicates with led matrix, sensors through Google Assistant.

Catch The Light Project (Leader)

Ari 2021 – Jul 2021

- The product is a novelty toy, highly entertaining
- 8051 microcontroller controls 50 RGB single LEDs to create effects for the game
- Use interrupt and noise cancellation for the push buttons.

SKILLS

- Manager source code with Git
- Knowledge in C or C++ programming language
- Understanding in Micro-Controller and Embedded System
- Read - understand English materials, and basic communication
- Good self-study ability.

INTERESTS & HOBBIES

- Playing football, badminton and running