LE VAN HIEU

Electronics & Telecommunications Student

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Da Nang, Vietnam

https://github.com/lhieu

Skills

- Embedded: STM32 - ESP32 - Arduino - RAK3172
- Programming: C /C++
- Wireless: LoRa · MQTT · WiFi
- PCB & Hardware: KiCad · Analog design · Low-power systems
- IoT: REST API · HTML/JS · Cloud deployment · GitHub

Language

- Vietnamese: Native
- English: Working proficiency

PROFILE

Electronics & Telecommunications student specializing in embedded systems, wireless communication, and low-power IoT design. Experienced in developing end-to-end IoT systems including firmware, PCB design, LoRa communication, backend API integration, and cloud deployment. Strong focus on telemetry systems and long-range wireless applications.

WORK EXPPERIENCE

FLOODGUARD – LoRa-based Flood Early Warning System
2025
Low-power LoRa monitoring system with PCB and cloud integration.

UAV Multi-Rotor with LoRa Telemetry
(Ongoing Research)
Developing STM32-based multi-rotor UAV with LoRa long-range telemetry and payload release mechanism.

Smart Light IoT System – ESP32-C3 (ESP-IDF + MQTT)
2024
IoT control system with web, mobile app, and voice assistant integration.

ESP32-C3 Simple Music Player (SPI-based)
2024
Developed SPI-based audio playback system with custom hardware assembly.

15W OTL Analog Amplifier – PCB & Hardware Design
2023
Discrete BJT-based amplifier including PCB design and hardware testing.

Mobile Store Management Application – C++
2023
Object-oriented console application for inventory and order management.

Education

University of Science and Technology – The University of Danang

Bachelor of Electronics & Telecommunications Engineering
Major GPA (Last 2 semesters): 3.25/4.0

2022 – Present (Expected 2027)

Research Interest

- Sustainable technology
- Climate resilience
- IoT for social impact
- Leadership development
- Intercultural collaboration