Nguyen Quoc Viet

Embedded Software Fresher

📞 0 334 323 606   ✉ n.quocviet1502@gmail.com   in mrviet1502   ⬛ MrViet1502

Summary

Final-year student majoring in Embedded Software Development, with nearly one year of practical internship experience at companies in the automotive and IoT fields. Passionate about learning new technologies, improving skills, and building innovative, real-world solutions. Ready to work full-time and contribute actively to your company's technology projects.

Education

Ho Chi Minh City University of Technology (HCMUT)   2021 to 2025

- Major: Computer Engineering
- Expected Graduation: 2025
- GPA: 3.0/4.0

Experience

Embedded Software Intern - BOSCH Company   09/2024 - 03/2025

- Developed a virtual ECU (vECU-Type4) using C programming for automotive software testing, enabling ECU virtualization without physical hardware.
- Worked on existing software modules sourced from BOSCH's project, focusing on isolating, debugging, and validating them in a vECU environment. Gained hands-on experience with AUTOSAR architecture and CAN protocol.

Embedded Software Intern - VIEROBOT Company   05/2024 - 08/2024

- Developed firmware in C++ for a Battery Management System (BMS) using MSPM0 and BQ76952, focusing on battery monitoring, protection, and performance optimization.
- Designed and implemented an RFID-based locking system for electric bikes in C++, ensuring seamless hardware-software integration.

Hardware Intern - mWORK Company   06/2023 - 08/2023

- Performed electrical wiring and hardware assembly for automated systems.
- Inspected and soldered PCB boards to ensure system reliability.

Project

Project microcontroller by STM32   2024

- Developed an STM32-based project implementing key microcontroller functionalities: Timer interrupts, UART, SPI, I2C, PWM, ADC, state machines, and task scheduling. Built with STM32CubeIDE and C, utilizing Git for version control.
- Link Github : https://github.com/MrViet1502/STM32_ARM4_Embedded ↗

Smart Home   2023

- Built a smart home system for device control and sensor data monitoring via Web/App, using ESP32, MQTT, Firebase, and C++ for real-time data transmission and remote access.
- Link Github : https://github.com/MrViet1502/Smart_Home ↗

Additional embedded-related projects are available on my GitHub!

Skill

Programming & Tools: C, C++, Python, Embedded C, Git, GitHub, Linux

Soft Skills: Creativity, TeamWork, Time Management, Interpersonal skills

Certifications

Toeic: 700/990