

# Ta Dien Minh Tri

## Embedded Software Developer - Intern

Ho Chi Minh City

☎ +84 582 487 221

✉ 20520326@gm.uit.edu.vn

📧 tritdm

🌐 tadienminhtri

### OBJECTIVE

**Short-term:** Reinforce and enhance programming knowledge, technique, especially thinking and improve working skills as well as gain more experience in Embedded systems, through working on practical projects.

**Long-term:** Improve management skills and become a Product Owner/Project Manager in 5 years, bringing more value to the company.

### EDUCATION

**University of Information Technology**

(2020-2024)

Faculty of Computer Engineering. Majoring in Embedded Systems and IoT

(expected)

Current GPA: 8.61/10

### SKILLS

**Technical skills:** C/C++, OOP, Git, Embedded Systems, Agile and Scrum process.

**Soft skills:** Responsibility, Problem-solving, Searching, Adaptability.

### UNIVERSITY PROJECTS

**VANETs simulation**

March 2023 - now



• *Description:* Using OMNeT++, VEINS and SUMO to simulate VANETs. In particular to solve the traffic jam at some transactions.

• *Language:* C++.

• *Responsibilities:* Research modules in OMNeT++ and VEINS to adjust, improve them and also develop new modules to fit the project's objective.

• *Accomplishments:* Learning how to use available resources as documentation and publications to develop project.

**Traffic light system**

May 2022 - June 2022



• *Description:* A simple traffic light system has basic lights (red, yellow, green) and pedestrian light. It also has 2 modes (normal and warning) that can be switched by pressing the button.

• *Language:* 8051-assembly and C.

• *Responsibilities:* Software requirement analysis, design and implementation.

• *Accomplishments:* First assembly microcontroller programming project (software), learned about software development procedure, got knowledge about the architect, instruction set of microcontroller (8051) and microprocessor (8086).

**Watch**

September 2021 - November 2021



• *Description:* A watch can show time (12h mode) when the button is pressed and set the alarm. When the watch isn't used, it falls into sleep mode.

• *Language:* C++.

• *Responsibilities:* Software design and implementation.

• *Accomplishments:* First complete microcontroller programming project (software), learned to program AVR, got knowledge about some terms in embedded programming.

### CERTIFICATIONS

**First prize in the 17th Vietnam Annual International Microelectronics Olympiad**

August 2022