



# GIP SINH HUY

EMBEDDED ENGINEER

## CONTACT

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## HAVE KNOWLEDGE ABOUT

C/C++

Python

PCB design  
(Altium, Proteus)

Embedded programming  
(AVR, Arduino)

## LANGUAGE

English  
(B1 certificate)

## CAREER OBJECTIVE

I am currently completing my studies in Electronic Physics Technology and Informatics(3rd year). I possess a strong foundation in C/C++ programming and embedded systems development. My primary interests are in the fields of Internet of Things (IoT), circuit design, and wireless communication. I am highly motivated to gain practical experience in professional work environments and specialized technical knowledge through an internship at your company. Furthermore, I am committed to applying my knowledge and skills to contribute to the company's progress after the internship.

## PROJECT EXPERIENCE

### Simple Digital Stopwatch

Pcb designer

- Designed a two-digit digital stopwatch circuit using two 4510 BCD up/down counter ICs and displayed output on 7-segment LEDs decoded by the 4511 IC.
- Test and simulate circuit on Proteus
- Created the PCB layout in Proteus and fabricated the circuit using a handmade PCB process.

### Digital Lock using microcontroller

Leader | Coder

- Designed and implemented a digital lock system using the ATmega128 microcontroller.
- Integrated 20x4 LCD, 4x4 keypad, and 12V solenoid with auto-locking mechanism
- Developed and debugged C language embedded on Microchip Studio; simulate and tested with Proteus
- Successfully built and deployed a working prototype

Embedded C code **Link:** <https://github.com/leafhuy/DigitallockbaseCode>

### Simple Ground Satellite Station

Solo project

- Built a basic satellite station using easy to find components: milk can, an old satellite dish, and DVB-T TV tuner dongles.
- Hardware modded bias tee on low noise amplifier (LNA)
- Config signal decoder software to process data received from satellite

## EDUCATION

University of Science - VNUHCM

2022-2026

Bachelor of Science in Electronic Physics and Informatic