

TRAN MINH SANG



Contact

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Languages

TOEIC Reading and Listening
(Score: 605/ 990)

Objective

To obtain an Embedded Software Developer position that **utilizes** my **technical skills** and allows me to **contribute to the growth of your company**. My **ultimate goal** is to become an **Embedded Software Engineer**.

Skill Highlights

- Strong expertise in microcontroller programming
- Proficient in C, C# and WPF programming languages
- Circuit design using Altium
- Skilled in debugging and troubleshooting
- Quickly adapting new technologies
- Excellent team player

Projects

Project: POSITON CONTROL OF DC MOTOR

Summary: Designed and developed a system using the STM32F4 microcontroller to control the position of a DC motor using an encoder and a GUI interface on a laptop through UART protocol.

URL: [sanghotran/PositionControl \(github.com\)](https://github.com/sanghotran/PositionControl)

Project: BLOOD PRESSURE

Summary: The system comprises a pump, a valve, and a pressure sensor. The STM32F1 microcontroller is responsible for controlling the pump and valve to pump and release air with the aim of measuring blood pressure through the pressure sensor.

URL: [sanghotran/BloodPressure \(github.com\)](https://github.com/sanghotran/BloodPressure)

Project: MINI CNC MACHINE

Summary: Created a mini CNC machine using the STM32F1 microcontroller, which is controlled by a GUI interface on a laptop through USB protocol.

URL: [sanghotran/CNCMicaMini \(github.com\)](https://github.com/sanghotran/CNCMicaMini)

Education

Bachelor of Science in Telecommunication – Electronic**Engineering from Ho Chi Minh City University of Technology**

Outstanding coursework includes:

- Microprocessor (9.5/10)
- Embedded Control Systems (8.5/10)
- Embedded System Design (9/10)
- Embedded System Programing (8.2/10)