NGUYEN THE VINH

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EDUCATION

Hanoi University of Science and Technology *10/2020 - 08/2024*
Bachelor - Control and Automation Engineering *CPA: 3.12/4.0*

EXPERIENCE

YOOSUNG MECATECH, IT Internship *2/2024 - 7/2024*
- I working here as an intern because not graduated yet. I developed thermal camera software here alone and made it work for a whole factory. - Also I suggested they build a server on Linux and got accepted for development.

PERSONAL PROJECTS

Project: Linux kernel contribution *11-2024 - Now*
- I living in GitHub whenever free, watching Linux kernel contributions, and trying to have a pull request.

Project: Thermal camera *2/2024 - 3/2024*
- Design WPF app for viewing many camera feeds (rtsp), using HTTP request/response protocol to get data. Store data in database mySQL/also an option for SQLite. Worked well for 32 cameras in a factory.

Project: Weight Measurement - Truck Scale *9/2022*
- Using Loadcell, design wpf application to read and store data in database. Transmit data by RS485 or LoRa (use a module SPI)
- Use stm32f4 as main microcontroller for the board.

Project: Wireless Temperature Measure Sensor Network *9/2023 - 11/2023*
- Design a network reading data from 4 nodes (stm32 as processor, lm35 as sensor), get data and store data in database. Transmit data by TCP or MQTT.

Other software project
- Quiz exam app from database or document (requires a quiz bank)
- Chinese Vocabulary app for cross platform
NOTE: those are many projects which I just write for fun, usually done written in 1 - 2 hours. In my Github, I shared many sample code of them as a library for myself.

TECHNICAL SKILLS AND INTEREST

Languages
- English: 700 TOEIC certificate
- Chinese: HSK4
Programming Languages
- Language: C/C++, C#, Python, JS/HTML/CSS
- Framework: .NET 8, Eclipse®/CDT™, Node.js, VC++, Qt
Instrustment and Tools
- Techincal: MATLAB, Visual Studio, Proteus, Altium Designer, Keil MDK
- Office: MS Word, PPT, Excel, Visio, Teams, Power BI
Area of Interest
- IoT development, Automotive, Software
- Linux, cybersecurity and Open source development
Soft Skill
- Technical writing, presensating, teamworking