NGUYEN MINH TAM

EMBEDDED SOFTWARE INTERN

EDUCATION

University of Science, Viet Nam National University - Ho Chi Minh City

Faculty of Electronic & Telecommunication

4th year university student majoring in embedded systems computing

Course: 2020 - 2024 | GPA: 7.95

RELEVANT SKILLS

- Have knowledge of C/C++ Programming skills
- Have knowledge of Embedded System and programming in Embedded System
- Have design skills using Matlab with Simulink
- Have knowledge of Micro-controllers
- Good at basic English skills
- Good at self-study skills
- Have knowledge of software lifecycle such as SCRUM, waterfal, V-model.

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EXPERIENCE

From July, 2023 to now

MEU SOLUTIONS | *Position*: *Intern Dev JAVA.*

***Description*:** At the company, during my internship, I did the work assigned by the company, which was web programming (including frontend and backend)

Conclusion: After interning at the company, I felt like I was not suitable for IT and wanted to work in the embedded field. Thanks to the internship process, I have trained myself to self-study, self-explore, be responsible and love my current job.

PROJECT

1. A temperature measurement system and warn when the temperature is higher than 80 degrees Celsius.

PROJECT: MATLAB SUBJECT

Perform: Individual

Description: *A system that can measure temperature, displays the temperature of the 7-segment LED output. In addition, they can also warn flashing led and ringing alarms when the temperature is above 80 degrees Celsius.*

Technologies: Ansi C, PIC 16F887, IC lm35, led 7 segments

2. Seven segment led clock with perpetual calendar

PROJECT: MICROCONTROLLER SUBJECT

Perform: Individual

Description: *The system has a 7-segment led clock to see the time and an LCD used to view the calendar and temperature. Temperature and perpetual calendar will be updated every 1 minute.*

Technologies: C and Development kit by Thien Minh Electronic.

3. Implement a binary tree to calculate a value expression using C programming language

PROJECT: DATA STRUCTURES AND ALGORITHM SUBJECT

Perform: Individual

Description: *Set up a binary tree with operators as parent nodes and operands as element nodes. Apply pointer operations and tree traversal to calculate expression values.*

Technologies: C programming

4. A program simulate sorting algorithms. Complex output requirements, running time of each algorithm

PROJECT: DATA STRUCTURES AND ALGORITHM SUBJECT

Perform: Individual

Description: Algorithms need to be sorted: Heap_sort, Merge sort, Radix sort, and Quick sort. Use the library used in digital signal processing to simulate change processes to illustrate the algorithm's ordering process. By considering the number change as a pixel change..

Technologies: Python programming, DSP algorithms