NGUYEN MINH TAM

EMBEDDED SOFTWARE DEVELOPER INTERN (C/C++)

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++ Programming
- Have knowledge of Embedded System
- Have knowledge of python programming
- Have knowledge of using git and relevant tools
- Good at basic English skills
- Good at self-study skills
- Good at teamwork skills
- Good at communication and presentation skills

CONTACT ME

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ACTIVITY

The first prize: *"Intelligent Robots for Middle & High School Students" at "Playground Robotacon"*
Organizational units : Ho Chi Minh City Young Technology Development Center.
Time: 2019

Finalist: *" Automatic hand sanitizer design contest on promoting the prevention of the Covid 19"*
Organizational units : Ho Chi Minh City Communist Youth Union
Time: 1/2020

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. Detecting traffic signs using a database in Germany
PROJECT: AI SUBJECT
Perform: Group of two
Description: *Every time the camera of mobile or laptop scan the traffic sign, the system will announce what's mean sign.*
Technologies: Python programming, cv2 library, tensowflow library, image processing algorithm

4. 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

5. 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