DO NGOC HUY

Mechanical design / Programmer / Embedded / – Intern

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ABOUT:

My name is Huy. I have an understanding, performance orientation and detailed orientation with information technology projects. My expertise is in 2D & 3D design, control system configuration, PLC automation software development and handling all technical support requirements.

In addition to technological expertise, communication skills are well developed, and it's important to be able to work well in a team. Continuously learning and developing yourself, improving your ability to work in big corporations on technology and automation.

SKILL:

Mechanical:

- 2D & 3D mechanical design: AutoCAD, Inventor, Solidwork, Fusion360,...
- Calculation of drawing structural design, optimized design solutions
- CNC machining program design
- System optimization upgrade responsive

Control Systems:

- Mitshubishi PLC automatic chain program development
- Data collection & processing / Automatic system monitoring optimization
- Configuration, installation, operation, maintenance of electrical and electronic

Electronic:

- Knowledge of 80C51, ATMEGA328P, Arduino, ESP8266, Raspberry,...
- Build automatic system embedded programs: C/C++, Python, HTML/CSS, JS..
- Design and build Web/Apps that control intelligent systems automatically via the Internet

EDUCATION:

Industrial University of Ho Chi Minh City | 2021

- Majoy Electronics – Full time
  Score: 7.0

WORK EXPERIENCE:

Lectures STEM – Automatic control / Embedded Programming | 8/2022 – 2024

TEKY ACADEMY | TP. Ho Chi Minh

- Teaching automated controls - automated IOTs, web-apps, and automated robots.
- Designing simulated hardware control circuit diagrams using Protues software • Create algorithmic programs for hardware MCUs: Arduino, ESP8266, Raspberry,.... connected to other peripheral devices: sensors, step engines, servo, led,...
- Build websites & apps: Write and read the sensor parameter data received on the web and process the data returned to the device microcontroller
- Analysis of system models, ideas, choosing the most accurate solutions for the system

PROJECT:

SMART HOME IOT

Infor:

- Manage the devices in the house via the Internet. It allows users to control and monitor devices through a web interface or mobile application on a smartphone or tablet

Description:

- User Interface: Design HTML/CSS,JS Web/App interfaces to control and monitor smart home devices. This interface can be accessed via a web browser or a mobile application • Use the Database as a place to exchange and receive parameter data from hardware, system operations and algorithm processing to control devices
- The user can control the devices in the home through the web/app interface
- The system allows users to view the state and detailed information about the devices in the smart home
- The system provides the ability to schedule and automate smart home activities
- The system supports connecting and managing many different IoT devices in the home. This allows users to control and monitor devices from many different vendors on the same interface • The system ensures security and privacy for users. It provides security measures

such as user authentication, data encryption and access control to ensure that only authorized users can access and control devices in the home