

Nguyễn Hoàng Phú An

ELECTRICAL ENGINEER · ELECTRONIC ENGINEER · LEANER

Thu Duc District, Ho Chi Minh City, Viet Nam

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“Hi. I’m just leaner.”

Education

HCMUTE(Ho Chi Minh University of Technology and Education)

Ho Chi Minh, Viet Nam

B.S. IN ELECTRICAL AND ELECTRONIC ENGINEERING

Aug. 2015 - Exp. June. 2023

- Win 3rd prize in contest “IoT Startup 2019: AQI System” organized by SHTP
- Work at 3D-Vision laboratory in Institute of Technical Education (embedded and hardware design)
- Teaching assistant in Supervisory Control and Data Acquisition (SCADA)

Skills

| | |
|-------------------------|--|
| Top Languages | C, C++ |
| Quite Proficient | Rust, Java (Swing, FX) |
| Flub through | JavaScript, SQL, Markdown, HTML/CSS |
| Embedded SDK | ESP-IDF, STM-HAL, Renesas-CCRL, Bash/Shell scripting |
| PCB Design | Autodesk Eagle, Altium Designer |
| PLC | Siemens, Omron, Delta |
| Web framework | Django, NextJS |
| Cross-platforms | Flutter |
| Languages | English, Vietnamese |
| Others | LaTex, Git |

Experience

IoTVision Ltd.

Ho Chi Minh, Viet Nam

R&D ELECTRONIC ENGINEER

Jun. 2018 - Apr. 2021

- Design schematic and layout PCB, mass production supervision, update and maintain product.
- Low-level embedded program for STM32, ESP, Renesas
- Program Delta PLC and design HDMI for AHU system (DESKER Viet Nam)
- Program Siemens PLC and SCADA, upgrade and backup server, maintained web application (NET Detergent JSC.)

3D Vision Laboratory (HCMUTE)

Ho Chi Minh, Viet Nam

FORMAL RESEARCH

May. 2018 - Present

- Researched and Developed IoT product meet requirements.
- IoT hardware design
- Low-level embedded programing

Chienowa Viet Nam Ltd.

Ho Chi Minh, Viet Nam

LEAD R&D ELECTRONIC ENGINEER

Apr. 2021 - Present

- Design schematic and layout PCB
- Low-level embedded program on Renesas MCU
- Embedded Linux kernel driver
- Java software development

Team Logic Bit (IoTs solution team)

Viet Nam

HARDWARE DESIGN

Sep. 2019 - Present

- Smart house solution, real time with MQTT and SocketIo.
- Air Quality Index measurement system with LoRa gateway.