



NGUYỄN VỸ  
AUTOMATION ENGINEER

02/08/1997

bachkhoaqt97@gmail.com

2F, 12 Road, Tang Nhon Phu A Ward,  
Thu Duc City, Ho Chi Minh City

0987214943

## EDUCATION

**Electrical & Electronics**  
UNIVERSITY OF TRANSPORT AND  
COMMUNICATIONS  
08/2016 - 01/2021

## CERTIFICATE

### NAME OF CERTIFICATE

- Siemens and Rockwell Automation (HCMUTE).
- Twincat 3 Licensing, Twincat 3 Source Control (Github Repositories).
- Twincat 3 Object oriented programming (OOP), Twincat 3 TwinSAFE, Twincat 3 Intermediate Motion.

## PRIZE

### MODEL MAJOR AT UNIVERSITY IN 2020

First Prize (Control Robot Arm, Control PowerPoint slide by processing 3D image ).  
20/08/2020

### SCIENTIFIC RESEARCH AT UNIVERSITY

Second Prize (Control Robot Arm by processing 3D image ).  
19/03/2020

## LANGUAGE

**English for communication and for Document research( Manual, Datasheet of industrial components.)**

## INTRODUCTION

Study electric and electronics at University of Transport and Communication - Campus in Ho Chi Minh City  
GPA: 3.2/4.

## WORKING EXPERIENCE

### Intern

IOT MAKER VIETNAM LIMITED COMPANY

09/2020 - 12/2020

- STAFF, SELL, DESIGN OF PCB CIRCUIT WITH ALTUM DESIGNER, KICAD SOFTWARE.
- Understanding of HTML, CSS, JS, C#.
- Understanding Git, Github, GitLab to management source code, teamwork.

### Electronics Engineer

SONION VIETNAM LIMITED COMPANY

02/2021 - 12/2023

- Beckhoff, Koyo, Rockwell, Siemens PLC understanding.
- Work with Beckhoff PLC run on Twincat2 & Twincat 3.
- Upgrade, modify program on machine using Beckhoff PLC, Servo follow require from Supervisor.
- Work with Yamaha robot Scara YK600XGL. Make connection between robot and Cx5140 Beckhoff Embedded PC through Ethernet/IP protocol.
- Work with Touch Finder for PC on FQ2 Omron vision camera to detect object then control Robot pick product as require from Production Department.
- Interface Linux linear motor with Xenax Xvi75v8 drive, Beckhoff Servo motor, Beckhoff step motor on Beckhoff platform.
- Work with Indusoft web studio and Twincat2 runtime.
- Practice Modbus TCP/IP (TF6250), OPC UA, OOP, EAP, Twincat BSD, Twincat HMI, TwinSAFE, Motion control on Twincat platform.
- I can control all motor from Jenny science: Linux linear motor for example using Web motion. Using Beckhoff PLC on Twincat 2,3 platform to control these linear motor.
- Have knowledge about Cognex camera, Insight..
- Build new machine using Koyo PLC as: D0-06DD2, Koyo Direct 05, D0-06DDR, H2-CTRIO.
- Using some HMI: Hakko, Weintek, Easyview, ELO, Eaton during I'm working to troubleshoot, modify machine follow require from another Department.
- Perform daily task relate document with other Department as: QA, PE, EE, Production.
- Design Electrical Schematic with Solidwork Electrical, EPLAN software.

## Electronics Engineer II

SONION VIETNAM LIMITED COMPANY

01/2024 - Currently

Image processing skill: Up to now I can work with Congex DMR60X, Cognex DMR152Q, DM262X, Cognex IS7600M to detect Barcode(1D,2D Pharma code), QR Code then connect with Beckhoff PLC, Eaton PLC to process operation of machine. Some softwares like: Data man setup tool, Cognex insight-explorer I can good handle.

Service machine: Good handle with machine come from Morlock( Germany) manufacturing.

Newer knowldge: I'm discovering CP6606 Beckhoff HMI embeded PLC !

I'm discovering Beckhoff Cx5140 embeded PC with TK4S Autonics Temperature controller base on Modbus RTU Communication protocol !

Detail please visit my LinkedIn: <https://www.linkedin.com/in/vy-nguyen-227087241/>

And so on my Technical Youtube channel:

<https://www.youtube.com/@nguyenvy9079>

## SKILL

- Able to work effectively either independently or in a team.
- Withstand the pressure at work
- Problem-solving and analytical skills.
- Desire to work, willing to learn, be confident, and dynamic.
- + Foreign language:
  - English : - Written, good at English Communication Skill
- Able to read English documents
- + Computer skill
  - MS Word : good
  - MS Excel : good
  - MS Power Point : good