



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- CAMPUS HO CHI
MINH CITY
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 Communications- Campus 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.
- Familiar with Ethercat Protocol base on Beckhoff and Omron PLC
- 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 (3 Year, 10 Month)

- 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 !
- Familiar with OPC UA for Data collect MES machine Sonion system.
- Work with Trump(TP21 Laser Source), Rofin (Easy Mark), NamSon (Compensation hole), DataLogic (Marking annd Compensation hole) Laser machine (Preventive Maintenance, Troubleshooting issue relating).
- Perform saving cost by purchase chinese HMI with low cost then replace Easyview HMI with Higher cost and no support from supplier.
- Ghost new Microsd card for Cx9020 Beckhoff PLC instead of buy new Beckhoff microsd card with high price.
- Successful Replace new Yamaha Scara YK600 XGL robot (In case machine was broken relate to robot system).
- Work with FESTO Service to troubleshooting machine issue with Festo Servo Drive (Ethercat Protocol base).
- Work with AATEC packing machine manufacturing (USA Company) for ordering spare part, troubleshooting machine online relate to BC5150 CANopen Bus slave.
- Join with supplier to intergrate bowl feeder and cognex is2001M camera for detecting Sonion product.
- Work with ITO manufacturing Company to transfer new machine (Document, Schematic, PLC Program, Vision Program, Spare part).
- Training with Beckhoff Automation Viet Nam to enhance knowledge about Beckhoff Device (Beckhoff PLC, Beckhoff Stepper motor, Beckhoff servo motor).
- Having Knowldge about ISO 14001, ISO 9001.

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>

My Rockwell & Siemens Automation Certificate link bellow:

<https://github.com/bachkhoagt97?tab=repositories>

My Beckhoff Automation Certificate link bellow:

<https://github.com/bachkhoagt97?tab=repositories>

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