NGUYỄN HOÀNG NGUYÊN

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Introduction

Hi there! My name is Hoang Nguyen, born in 2002. I have completed my studies and am awaiting graduation in April 2025. I am actively seeking opportunities as a fresh graduate, specifically in Automation and more broadly in Electronics. With a solid foundation in control systems and automation, along with a passion for programming and web design, I am eager to apply my skills in the industry. I have experience in PLC programming, SCADA systems, automation equipment, robotics, industrial standards, and automated warehouse systems. My goal is to become a skilled engineer in the automation field, and I believe that my proactive approach and ability to learn quickly will bring significant value to any company.

Education

HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY (HCMUT) *Sep 2020 – Dec 2024*
Bachelor in Control and Automation Engineering
- GPA: 7.05/10.0
- **Coursework:** PLC, SCADA, Embedded, Robotics.

Experience

Technical Sales Intern *Hồ Chí Minh, VN*
Intech Pumps Việt Nam *June 2024 – Sep 2024*
- Clarify technical requirements and provide technical quotations to manufacturers and customers.
- Consult and introduce the company's products and suitable solutions to customers.
- Monitor orders and support delivery processes for customers.
- Supervising project executive after awarded.
- Follow-up on proposals/quotations and getting PO.
- Follow-up customer payment

Tutoring *Hồ Chí Minh, VN*
Middle School and High school students. *Sep 2020 – Sep 2023*
- Preparing materials and teaching middle and high school students subjects.
- Subjects: Mathematics, Physics, Chemistry.

Hard Skills

Languages: PLC, C++, C, C#, SQL, JavaScript, HTML, CSS, Python.

Softwares:
- Microsoft Office(Word, Excel, PowerPoint).
- AutoCAD, Inventor, Tecnomatix.
- Adobe, Figma.

Skills:
- PLC Programming.
- SCADA Systems.
- Sensors and Automation Devices.
- Industrial Robot Knowledge.
- Industrial Communication Networks.
- Automation Safety.
- Basic knowledge of SAP.

Soft Skills

- English: Read documents, basic communication.
- Computer Skills.
- Problem Solving Skills.
- Teamwork & Collaboration.

Certificate

TOEIC
- TOEIC 635

GOOGLE
- Google UX Design Professional Certificate.
- Google IT Automation with Python Professional Certificate.
- Google IT Support Professional Certificate.
- Google Project Management.
- Google Data Analytics.

UDEMY
- Foundation course on Embedded C programming using STM32 Microcontroller.
- The Complete 2024 Web Development Bootcamp

COURSERA
- Robotics (University of Pennsylvania)
- Robotic Process Automation (RPA) Specialization (UiPath)

Activities

Final year project (HCMUT)
Automated warehouse integrated with web platform
- Research on Warehouse Management System (WMS)
- PLC Programming: Programmed and configured PLCs to control the movement of warehouse machinery (PLC Siemens S7-1200).
- Web Development: Designed and implemented a web-based interface for real-time monitoring and controlling warehouse operations (HTML, CSS, JS, Node.js, Expess)
- Database Management: Implemented data storage and retrieval mechanisms to track inventory, equipment status, and system logs through the web platform. (SQL Databases)
- Testing and Troubleshooting: Conducted rigorous testing of the system to ensure reliability, troubleshoot issues, and optimize performance for real-world warehouse scenarios.

Robot Simulation in MATLAB - Articulated Arm (HCMUT)
Personal project
- Developed a Graphical User Interface (GUI) in MATLAB.
- Forward Kinematics - Inverse Kinematics.
- Motion Simulation.
- Trajectory Planning.

Course Project (HCMUT)
Programming and designing a motor control interface using STM32F4
- Hardware selection and configuration.
- STM32 microcontroller programming.
- Motor speed and direction control.
- Interface programming in C#.