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Summary

* Experiences:

• 8/2023 - 1/2024 :

Embedded System Automotive Internship in BOSCH GLOBAL SOFTWARE Ho Chi Minh City, Vietnam

• 9/2023 - 1/2024 : Design the Mechatronics project "Mobile Robot 3 DoF "in the HCMUTE University

Design and Simulation HW of Robot by SOLIDWORKS and MATLAB Simulink tools.

Calculation and Design the PID controller to implement SW and control the Robot.

• 3/2023 - 5/2023 : EMBEDDED ACADEMY TRAINING COURSE BY BOSCH Ho Chi Minh City, Vietnam

CAN protocol, Automotive basics, Testing, SW Development Life Cycle, Safety and Security.

Processing Data and Training Model AI to Diagnostic and detect COVID-19 in Lung by using X-ray image, Identify defective workpiece surfaces to application for Machine Vision field.

• 8/2022-12/2022 :

Calculation and design model "Robot Scara 3DoF" by tool AutoCAD, SOLIDWORKS in the Industrial Robots Fields.

• 2/2022-5/2022: Calculation and design of electronic boards Power Amplifier.

* Skills:

• Basic knowledge Linux with embedded platforms such as Raspberry Pi, PIC, and ARM Cortex-M.

• Basic knowledge Embedded Devices, RTOS

• Basic knowledge of circuit design HW, schematic capture, and PCB layout.

* Programming :

• Strong in programming languages: C, C++, C#, python.

* Language :

• Intermediate-level English

* Soft skill :

• Be able to use Visual Studio, Visual Studio Code, KeilC, Matlab Simulink

• Use tool Protues, Eagle.

• DOORS , JIRA (Scrum/Agile)

• Microsoft office (Excel..)

Experience



Embedded System Software Engineer

Bosch Global Software Technologies Vietnam

Aug 2023 - Jan 2024 (6 months)

Embedded System Engineers (HIL Testing) : The EPS (Electronics Power Steering System) system

* Responsibility :

Analyze requirements from customer in DOORS and using tools from dSPACE to design Environments testing . Next , testing and releasing the SW to implement in the EPS (Electronics Power Steering System)

* Role : HIL (Hardware in loop) Tester

* Team size : HIL team and the project in charge : Honda

Education



HCMC University of Technology and Education

Bachelor's degree, Mechatronics, Robotics, and Automation Engineering

Oct 2020 - Dec 2024

Grade : 3.22/4.0

As an Embedded Software Engineer, I specialize in the intricate fusion of software and hardware, sculpting the silent yet vital core of modern technology. With a meticulous eye for detail and a passion for crafting efficient, reliable code, I thrive in unraveling complex challenges within resource-constrained environments. Collaborative by nature, I seamlessly integrate my work with diverse teams, embracing continuous learning to stay at the forefront of innovation. Committed to ethical and responsible engineering, I approach each project with adaptability, resilience, and a deep sense of purpose, knowing that the solutions I create power the devices that shape our world.

Licenses & Certifications

Get Started with Spreadsheet Applications: Excel - SkillUp EdTech

HVXRYTWZAVKN

Get Started with Mail and Calendar Applications: Outlook - SkillUp EdTech

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The Certificate get in the university - HCMC University of Technology and Education



The Certification for Automation Fields in the Industries - HCMC University of Technology and Education

Modelling and simulation of mechanical systems - Università di Napoli Federico II

Issued Mar 2024 - Expires Dec 2026

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Cybersecurity for Everyone - University of Maryland, College Park

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