

Pham Su Dong Duong

C++ Embedded Software Engineer

Name Pham Su Dong Duong

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Overview

- Over 2 years in programming with good communication and quick learning skills

Strengths: Computer Application development,

- Proficiency in C# .Net Framework, ASP.Net Core API, html, css, javascript

- Experience with popular ASP.Net Core API workflows (MVC)

- Experience with Vue.js, React.js

- Experience with data structure libraries

- Familiarity with Postman test APIs

- Strong Experience in: Microsoft SQL, Navicat for MySQL, MySQL Workbench, FireBase

- Proficient use of source code management tools: GIT & GitHub

- Ability to learn and apply new technology quickly



Target

Short-term

Become an excellent programmer, taking on difficult projects, accumulate more experience

Long-term

Join the company in promoting software technology, contributing to the construction and development of our country



Work experience

08/2022 – Present

MERRY & LUXSHARE (VIETNAM) LIMITED COMPANY

Software Developpt Engineer

- Create an application testing platform for testing products
- Create applications to connect to test instruments in the factory
- Website system for innovative testing procedures and test data
- Communicate with RD to handle NPI cases and problem solving
- Design of asset management systems, inventory tools and related systems

04/2022 - 08/2022

THACO INDUSTRIES

Automation System Engineer

- Propose project solutions and construction schematicsControl programming and system functional verification

08/2020 – 04/2022

Da Nang University of Science and Technology

- Mechanical design project: gear screw reducer design. (2019)
- Microcontroller project: Design and fabrication of automatic barrier model. (2020)
- Mechatronics system project 1 : Design and manufacture self-balancing two-wheelers. (2020-2021)
- Industrial electronics projects: designing control circuits and stabilizing temperatures. (2020-2021)
- Mechatronics system project 2: design and manufacture of writing robots. (2021)
- Graduation project: Design and build a robot to deliver goods to Covid quarantine areas. (2022)



Education

2017/8 – 2022/04

Danang University of Science and Technology

Major - Mechatronics

Level - Very Good



Skills

- Main**
- C# .Net Framework, .Net WinForms, ASP.Net Core API
 - MicrosoftSQL, NavicatSQL, MySQL,
 - Vue.js, html, css, javascript
- Other**
- C++ (PIC C, Keil 5)
 - SolidWorks, AutoCAD
 - Arduino IDE, PLC Tia-Portal
 - GIT & GitHub



Awards

2021

Scientific Research Student Award



Projects

Create Product Inspection Application Interface

(08/2022 - 04/2023)

Client	Merry & Luxshare (Vietnam) Limited Company
Descriptions	Create a common application interface for the entire company's testing program Link GitHub: https://github.com/duongchung1999/MerryApp_and_AliDLL.git
Number of members	2
Position	Product Owner, Developer
Responsibilities	- Designer - Developer
Technology in use	- C# .Net Framework - Navicat SQL

Create an Electronic Product Inspection Program

(08/2022 - Present)

Client	Merry & Luxshare (Vietnam) Limited Company
Descriptions	Check button functions, bluetooth signals, 2.4G signals, audio charts, product pairing programs, test data management of all types of the company's electronic products. Link GitHub: https://github.com/duongchung1999/VCS001.git
Number of members	4
Position	Leader, Developer
Responsibilities	- Developer - Inspector
Technology in use	- C# .Net Framework - Navicat SQL

Create libraries to communicate with test machines

(04/2023 - Present)

Client	Merry & Luxshare (Vietnam) Limited Company
Descriptions	Create libraries that communicate with all of the company's test machines, applying to all of the company's product projects. Link GitHub: https://github.com/duongchung1999/Z_AllDLL.git
Number of members	3
Position	Leader, Developer
Responsibilities	- Developer
Technology in use	- C# .Net Framework

Data Query System Website

(04/2023 - 10/2023)

Client	Merry & Luxshare (Vietnam) Limited Company
Descriptions	Create a website and system to query test data of all products in the company. Link Backend GitHub: https://github.com/duongchung1999/DataQuery-API.git
Number of members	2
Position	Backend developer
Responsibilities	- Build backend - Database configuration
Technology in use	- Frontend: Vue.js - Backend: C# ASP.Net Core Web API

Test Program Management System Website

(02/2023 - 06/2023)

Client	Merry & Luxshare (Vietnam) Limited Company
Descriptions	Manage the entire testing program, set up test items for products on the website Link Back-end GitHub: https://github.com/duongchung1999/HoutaiAPI.git Link Front-end GitHub: https://github.com/duongchung1999/Houtai-FE.git
Number of members	2
Position	Developer
Responsibilities	- Build backend - Database configuration
Technology in use	- Frontend: Vue.js - Backend: C# ASP.Net Core Web API

Laser CNC cutting machine

(04/2022 - 8/2022)

Client	THACO INDUSTRIES
Descriptions	Design and programming to control CNC Laser cutting machine system to cutting industrial steel plates
Number of members	4
Position	Developer
Responsibilities	Developer
Technology in use	<ul style="list-style-type: none">• Electric drawing: AutoCAD• 3D Design: NX• Programming: Tia Portal

Robots delivering goods to Covid quarantine zones

(12/2021 - 03/2022)

Client	Danang University of Science and Technology
Descriptions	Robots transport goods in Covid-infected areas, to minimize the possibility of spreading the disease when they come into contact with people infected with Covid
Number of members	2
Position	Leader, Developer
Responsibilities	- Designer - Developer
Technology in use	- Hardware design: AutoCAD, SolidWorks - Software development: Arduino, Proteus

Self-balancing Two-wheelers

(08/2021 - 12/2021)

Client	Danang University of Science and Technology
Descriptions	Design and manufacture a self-balancing two-wheeled vehicle capable of automatically avoiding obstacles
Number of members	2
Position	Leader, Developer
Responsibilities	- Designer - Developer
Technology in use	- Hardware design: AutoCAD, SolidWorks - Software development: Arduino, Proteus