VO TRAN QUANG HUY

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EDUCATION

Ho Chi Minh University of Technology   Oct 2016 - Jun 2021

Major: Control & Automation
GPA: 7.56/10

WORK EXPERIENCE

Embedded Software Engineer   Jun 2021 - Now

Developer at Ban Vien, Renesas corp

- Develop project RCAR VISIONIP at RENESAS ELECTRONICS CORPORATION
- Experience in Scrum Agile working sequence
- C programming
- Using python bash shell, GIT
- Unit Test using CANTATA, Component Test, Feature Test
- V-model software development

Designing Quadcopter   Oct 2020 - Mar 2021

Algorithm developer, Hardware designer (thesis)

- Working with STM32F4 Discovery Kit, IMU, RC, RF modules
- Building model
- Designing controller board using Altium
- MATLAB Simulation
- Coding Quadcopter Monitor Form via Visual Studio

Designing automatic vehicle   Sep 2019 - Nov 2019

Researcher in school laboratory

- Working with Raspberry Pi 3+, RPLIDAR, sensors
- Building model
- Researching control algorithm

Designing and simulating concrete mixing system   Jun 2019 - Aug 2019

Developer in school project

- Using Tia Portal to create a program and an interface that simulate the process of mixing concrete
Achievements and skills gained:
- Sharpen PLC ladder programming skill
- Knowledge in trends, report
- Idea implementation and information research skill

Motor controller board design   Jun 2019 - Aug 2019

Developer (internship)

- Worked on board designing software Altium
- Soldered paste components

- Coded on STM32

Achievements and skills gained:
- 2 layer board design
- Paste soldering skill
- Teamwork and information research skill

Object detecting and object tracking
Coder in school project

Jan 2019 - March 2019

- Using Python and OpenCV library to identify objects in the live video
- Using Python and OpenCV library to track a marked object
Achievements and skills gained:
- Computer vision
- Basic knowledge about how to use OpenCV library

ID information extracting
Coder in school project

Jan 2019 - March 2019

- Using C# to create a win-form that extract basic information on an ID
Achievements and skills gained:
- Image processing
- Basic knowledge about how to use Tesseract library
- Teamwork and information research skill

ACTIVITIES

Non-government organization AYLA
Program Director

Jun 2017 - Dec 2017

- Monthly event organizer
- Fund raising
- Teamwork
- Interacted with foreigners

HCM Bitexco vertical run 2017
Organizer

Oct 2017 - Oct 2017

- Medal presenter
- Teamwork
- Event planner

CERTIFICATIONS

SAT Certificate (1760/2400)

2015

IELTS Certificate (7.0/9.0)

2019

Harvard Machine Learning Course Certificate

2020

SKILLS

Language	English, German
Software	TIA Portal, WinCC, Citect, Altium, Proteus, MATLAB, C/C++ IDE, Visual Studio, Pycharm, AutoCAD Electrical
Programming Language	C, C++, C#, VB.NET + SQL Database, Python, R

Teamwork	Have utilized Confluence, Trello, KakaoTalk in group project
	High commitment, time management, team veneration

PROJECTS

CISCO Global project (1st round qualified)

(2017 - 2017)

Customer	Environmental organizations
Description	- Research on environmental issue solution: River trash - Build model from the solution
Team size	6
My position	Planner, Designer
My responsibilities	- Analysis and Design - Set Plan - Design Model - Record Video - Build Business Model Canvas
Technologies used	- Proteus - Google - Photoshop - Trello