




TRAN VAN DUC

 March 28th, 1995

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Ho Chi Minh City

PERSONAL QUALITIES

- Language: English Intermediate
- Open-Minded
- Time Management
- Hard Working
- Goal Oriented
- Honest, enthusiastic and sociable

CAREER OBJIECTIVES

I am looking for a AI & Data Science Engineer Job that offers a greater challenge, increased benefits for myself, and the opportunity to help the company advance efficiently, bring interesting innovation ideas to real life.

SKILL

System Design & Programming



Applied Math & Machine Learning Algorithms



Data Science



Network Protocols



EDUCATION BACKGROUND

University	Bach Khoa University
Faculty	Electrical and Electronic Engineering
Department	Control Engineering & Automation
Year	09/2013 – 04/2018
GPA	8.19/10 (Talent Program)



TECHNICAL KNOWLEDGES

- AI & Machine Learning Approaches: K-nearest neighbors, fuzzy control, neuron network, SVM Bayesian network.
- Applied mathematics : Linear Algebra, Calculus, Optimization, Probability Theory and Statistics.
- Programming languages: Assembly , C, C++, C# , java, knowledgeable about Realtime design pattern.
- Processing: basic fundamImageentals of image processing , Opencv, Emgucv.
- Protocol : TCP/IP, Modbus, Mqtt, Opc DA, Opc UA, http.
- Web : Asp.net/core MVC , Rest API, Database(Mysql)
- Microcontroller (STM32F4) and raspberry pi (Raspbian os).



PROJECTS

- Thesis: Traffic control system and violation treatment using Neuron network and Fuzzy control (Data Communication using Modbus TCP/IP).
- Automatic number-plate detection & recognition: Plate localization using Haar Cascade, Optical character recognition using SVM .
- Modbus to MQTT (IoT gateway): Design(Real time design pattern, Web Interface), Code(.Net), Test, Write User Manual.
- Queue management system for Hospital : coding Backend (.net core MVC), RestfulAPI, android app, using Mysql database.
- Drainage pump system for Ho Chi Minh city: I assisted my lecturer , Ph.D Truong Dinh Chau to programming PLC, SCADA, HMI.



SOCIAL ACTIVITIES

- Volunteering at care centers for children, for elderly .
- Social Activities in Bach Khoa University.



HONORS & AWARDS

- 2014 Silver medal of Viet Nam Mathematical Olympiad (Calculus) for University students.
- 2015 Bronze medal of Viet Nam Mathematical Olympiad(Linear Algebra) for University students.
- 2015 Bronze medal of Viet Nam Physical Olympiad for University students.



INTERESTS

