VAN NHIEM, TRAN

Software – Hardware – Design engineer

I love to build and create things that make our life better

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AREA OF EXPERTISE

- Deep Learning
- Auto Machine Learning
- Effcient Machine Applications Design
- Data Mining & Big Data
- Data Processing & Visualization
- Embededded Software Deveploper
- Embedded Control System & Sensors Fusion System

EDUCATION

Bachelor of Science

University of Science -VNUHCM University of Science Vietnam (07/2013 -03/2017-GPA 3.2/4)

Master of Science Information Technology Application

National Central University Taiwan (08/2018 -06/2020 -GPA 4/4)

Ph.D. Candidate Computer Science Engineer

National Central University Taiwan (09/2020 – Present - Current GPA 4/4)

Technical Skills

Machine Learning Frameworks:

- TensorFlow (Tensorflow Lite, Tensorflow Lite Micro), Scikit-Learn, PyTorch, STM32XcubeAI

Program Language:

- Python, OpenCV, Embedded program C, LabVIEW, MATLAB, C++.

Database/Sever:

- SQL, Influx DB

Operating System:

- Free RTOS, Embed OS, Linux (Debian), Windows

Design Engineer Tool:

- Kid Cad (Electrical PCB Design), AutoCAD 2D 3D, DesignSpark 3D

Language & Communication & Teaching SKILLS

Languages, Communications:

- Vietnamese — Native
- English — Full proficiency
- Chinese (Speaking, reading) — Working Proficiency
- Presentation skills, Planning and organization skills, Communication skills, Team work

Teaching Assistant: Teaching Assistant C++ Course, LabVIEW Course, IoT Monitoring Course (All course Teach at National Central Taiwan University)

Personal and Collaborate Projects

Iris Smart Door Lock Project (05/2020- Present)

Iris smart door lock project aims to increase high-security system applications by using biometric identification Embedded system with a machine-learning algorithm for solving the classification problem.

Eye Tracking Project for E learning Application (09/2020- Present)

Research collaboration project with "Institute of Network Learning". The project aims apply machine learning for eye-tracking analysis of students' attention in classroom

Embedded Computer Vision on Embedded devices

The project aims to develop efficient machine-learning algorithm deployments on low cost embedded & edges devices.

Signal Processing and Visualization Project

The project aims for development efficient signal processing method and data on complex signal. (instrumentations signal, electrical signal etc.). Project link

IoT Solar Tracking & High Precision GPS Applications.

1. Solar tracking project with the aim to development the efficient energy harvest from solar panel 2. Using IoT embedded system for monitoring the displacement and movement in landslide disaster.

All Projects Information (Links attached)

https://drive.google.com/drive/folders/1SPnioSj2sYK7-Azc9NVCYeX0BS7Qh5qN?usp=sharing