






Pha Le Tan

AI Researcher

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EXPERIENCE

VNPT IT | AI ENGINEER

Jan 2020 – Current

- Build Face recognition (FR) API for ICAM project using Flask-restful, MySQL, JWT, MXNet, OpenCV
- Build Face alignment model to increase the performance of FR system.
- Build Check-in system based on FR API.
- Build FR Dashboard for demo.
- Build Intelligent Lock Door API with Flask-restful working on Raspberry Pi Zero.
- AI Algorithm Research: Crowd Detection, People tracking, Face Verification and Identification.
- Deploy AI model for high performance production using Tritonserver (Nvidia framework)
- Research Jetson Platform: Build AI model run on Jetson Nano, Jetson Xavier AGX module.

FPT SOFTWARE | AI ENGINEER

Jan 2019 – Dec 2019

- Build AI model on thundercomm AI kit
- Build tensorflow lite model for face detection, object detection, run on android device
- Work with Intel realsence 3D camera
- Build tool capture 3D image and review pointcloud data
- Research: Face 3D recognition, Object Detection on Poincloud Data (3D)

PROJECTS

THESIS | PYTHON, C++

2019

- In this project, I have researched and proposed a new method for solving face anti-spoofing problem based on the point cloud map generated by the 3D camera.
- This method can efficiently and robustly prevent all kinds of attacks, including mask bending.
- For face identification problem, we proposed a new framework based on the architecture of Inception-Resnet-V1 with the Large Margin Cosine Layer instead of Softmax Loss.
- The proposed face identification network is trained on the popular VGGFace2 dataset and achieved an accuracy of 99.18% on the Labeled Faces in the Wild Home (LFW).
- Grades: 9.1/10

RECOMMENDATION SYSTEM | PYTHON

2019

- The project built in Developer Circles Vietnam Innovation challenge. It is one of five projects that will participate in the final round.
- The system using deep learning to give user a list of item which user would like, based on sendo dataset.

SKILLS

PROGRAMMING

Proficient:

Python • C++ • SQL

Experienced:

C# • L^AT_EX • Java

• Android • Flutter • Dart

Familiar:

Java • Shell •

LIBRARIES/Frameworks

Tensorflow • Keras • Pytorch

• TensorRT • Scikit-learn

• OpenCV

TOOLS/PLATFORMS

Git • AWS • Google Colab •

Kubernetes • Docker

EDUCATION

VIET NAM NATIONAL UNIVERSITY HCMC

HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY

MASTER'S IN COMPUTER SCIENCE

2021 - Present

VIET NAM NATIONAL UNIVERSITY HCMC

UNIVERSITY OF INFORMATION TECHNOLOGY

BACHELOR'S IN COMPUTER SCIENCE

2016 - 2019

GPA: 8.02 / 10

CERTIFICATE

Data Science

Deep Learning Specialization