LE THANH-DANH

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EDUCATION

Ho Chi Minh University of Science VNU,HCM *2019-2023*
Faculty of Information Technology
Advanced Program in Computer Science
Bachelor

Tay Ninh High School *2016-2019*

TECHNICAL STRENGTHS

Programming	Python,Bash
Frameworks	TensorFlow, PyTorch, Keras, scikit-learn
Data analysis	NumPy, Pandas, Matplotlib
DevOps	ONNX, Docker
Typesetting Document	Latex

RESEARCH

· **JOURNAL OF MOLECULAR GRAPHICS AND MODELLING — ELSEVIER**

March 2022

- Florent Langenfeld, [et al., including Danh Le and Minh-Triet Tran] "Surface-based protein domains retrieval methods from a SHREC2021 challenge" DOI

· **COMPUTER & GRAPHICS — ELSEVIER**

October 2021

- Andrea Raffo, [et al., including Danh Le and Minh-Triet Tran] "SHREC 2021: Retrieval and classification of protein surfaces equipped with physical and chemical properties" DOI

· **THE 14TH 3D OBJECT RETRIEVAL WORKSHOP (3DOR'21)**

September 2021

- Florent Langenfeld, [et al., including Danh Le and Minh-Triet Tran] "SHREC 2021:Surface-based Protein Domains Retrieval" DOI

· **MediaEval 2021 Multimedia Benchmark Workshop**

- HCMUS at MediaEval2021: Polyps Segmentation using TransFuse with Focal Tversky Loss. Working notes

EXPERIENCE

Phenikaa MaaS AI Engineer

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- Developed and implemented object detection algorithms using TensorFlow and PyTorch
- Designed and implemented a multiple object tracking system using Kalman filter and Hungarian algorithm
- Developed an OCR system to recognize information from student card

- Collaborated with cross-functional teams to design and implement various AI projects, including FaceID and Bhub
- Contributed to the development of an AI-based fraud detection system using machine learning techniques

SELab, VNUHCM-US Lab Assitants

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- 3D object retrieval
- Image Text information retrieval
- Surface-based protein classification and retrieval
- Medical image segmentation
- Object Detection

Stylix AI Engineer

· project's information. Responsibilities for

- Developed an inpaint module using deep learning techniques and implemented it as a part of the company's product offering
- Successfully deployed a deep learning model using Flask and Docker, improving the scalability and portability of the model.

COURSEWORK

Lingua Eidetic CS426

· An application for study new language base on spaced repetition learning method. Which has support with Image-Captioning feature.

- Framework: Flutter, Tensorflow, Tensorflow Lite
- Backend: Firebase

StockPrediction CS426

· Android application show information about stock market and its prediction.

- Framework: Flutter, Tensorflow
- Backend: Flask

Diabetic Retinopathy Classification CS203, WR227

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- Collect datasets
- Implement Algorithms for classify Diabetic Retinopathy based on the severity of the disease

LEADERSHIP AND ACTIVITIES

Developer Student Club April 2021 - May 2022
Community Lead *University of Science*

- Gained experiences in management
- Gained experience in building community.
- Localized document framework(Tensorflow, Flutter).