Nguyễn Tấn Khang

Student at University of Information Technology - VNUHCM

I'm a Computer Science student, currently studying machine learning/deep learning, especially computer vision. I have a deep passion for programming as well as a change-ready mindset to learn new technologies.

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SKILLS

Web development
HTML, CSS, Flask

Database
SQL (MySQL)
NoSQL (MongoDB)

DevOps
Docker

Languages
English (IELTS 6.5)

Frameworks & Libraries
Tensorflow, Pytorch, OpenCV, Sklearn, Selenium, Streamlit, PySpark, Kafka

Others
Ubuntu

EDUCATION

2021 - Present <> Current GPA: 8.49/10

BANCHELOR DEGREE | COMPUTER SCIENCE

University of Information Technology - VNUHCM

EXPERIENCE

2021 - Present

Member of The Executive Committee - Communist Youth Union of Computer Science Faculty

Organizing Commitee:

- Trainee Program - a program training for freshman of UIT.
- Wecode Challenge - a coding challenge for freshman of UIT in Wecode online judge.
- UCPC - an ICPC-like competitive programming contest by the Computer Science Faculty.

PROJECTS

License Plate Recognition

A system to read data from license plate images/videos.

- Team size: 3
- Role: Leader, Researcher
- Models experimented: YOLOv8, WPOD-NET
- Tools used: Google Colab, Roboflow

ACHIEVEMENTS

UIT Academic Encouragement Scholarship
3rd Semester

CERTIFICATIONS

Problem Solving Using Computational Thinking
University of Michigan

Vietnamese Handwritten OCR

Partaking in Kalapa ByteBattles 2023, we build models to recognize text from Vietnamese handwritten images.

- Team size: 3
- Role: Leader, Researcher
- Models experimented: CRNN, AttentionOCR (VietOCR)
- Tools used: Google Colab, Kaggle, TextImageGenerator

Image-based Pneumonia Detection

Building models for predicting whether pneumonia or normal via X-ray images.

- Team size: 3
- Role: Leader, Researcher
- Models experimented: VGG19, SVM, kNN, Naive Bayes, Random Forest, EfficientNetB2
- Tools used: Google Colab, Kaggle, Gradio

DGA-based Botnets and DNS Homographs Detection through Integrated Deep Learning

Re-implementing proposed models from scientific paper.

- Team size: 3
- Role: Leader, Researcher
- Models experimented: S-CNN, S-LSTM, S-GRU, S-B-LSTM, S-B-GRU, LSTM, GRU, CNN, CNN-LSTM, B-LSTM, B-GRU
- Tools used: Google Colab, Kaggle