TRAN QUANG NHAT

0989967576 • tranquangnhat290402@gmail.com • Ho Chi Minh City, Vietnam
www.linkedin.com/in/nhat-tran-1a3a352b6 • https://github.com/Yamakaze-chan

SUMMARY

I evaluate myself that I am highly analytical, motivated and skilled at solving problems. I have a passion for learning, and I am eager to apply my acquired knowledge and experience to the challenges and opportunities of the workplace. I have the ability to work in both team and individual settings, and I am always looking for new challenges and opportunities to develop my skills.

EDUCATION

Computer Science Graduating
University of Information Technology (UIT) - VNUHCM 7.37 GPA
English TOEIC ETS: 845 - TOEIC SW: 250

TECHNICAL SKILLS

Programming Languages: Python, C++
Libraries: OpenCV, PyTorch, TensorFlow, Matplotlib, Scipy, NumPy,...
Databases: MySQL, MS SQL, SQLite
Expertise: Machine Learning, Computer Vision, Artificial Intelligence

PROJECTS

From Image to Word (Personal Project) March 2024 - May 2024

- **Description:** An application creates Word based on image. It can be formatted similarly to the format of file in image
- **Conducted:** Pre-process image with OpenCV, Scikit-learn and Pillow to detect table, get coordinate of tables (if image have table), using EasyOCR to get coordinate bounding boxes of text in image, using dilation to merge bounding box in the same line, using VietOCR to read the all the lines, arrange all coordinates in order from top to bottom then add to word
- **Tech-stack:** Flet, Flask, OpenCV, Pytorch, Pillow, Scikit-learn, Numpy, Scipy, PyTorch...
- **Code:** https://github.com/Yamakaze-chan/Img2Word

Auto translate Comic (Personal Project) February 2024 - March 2024

- **Description:** An application for auto detect and translate text from comic image. Application supports the translation of Japanese, Chinese, and Korean languages, and allows users to edit the translation content.
- **Conducted:** Pre-process image with OpenCV and Pillow, using MangaOCR to detect all text in image, then using EasyOCR to detect language of image. Then choosing model based on what language using in image to extract text from image. Google Translate API is using to translate.
- **Tech-stack:** Tkinter, OpenCV, Pytorch, Pillow, Numpy, Scipy, Transformer...
- **Code:** https://github.com/Tranhoangkhanhlinh/Auto_translate

Identify and recognize vehicle license plates (Team Project) October 2022 - January 2023

- **Description:** Identify and recognize vehicle license plates from street surveillance cameras in real-time with YOLOv8 and custom dataset
- **Contributions:** Collecting data, annotated data, train model with custom data, evaluate model
- **Tech-stack:** OpenCV, Pytorch, Pillow, Matplotlib
- **Code:** https://github.com/Yamakaze-chan/CS114_YOLOv8

COMPETITION

AI Hackathon: Face Analysis Challenge (2023)

- Applying Artificial Intelligence technologies to identify all features of the human face