

SUMMARY

AI-focused Computer Science graduate student with a strong foundation in Computer Vision, NLP, and Deep Learning. Skilled in Python, C++, and Bash. Possesses experience in DevOps and data engineering practices to bridge the gap between model development and deployment. Seeks a Machine Learning Engineer position to apply knowledge and contribute to innovative AI solutions across various industries.

EDUCATION

- **University of Information Technology** Ho Chi Minh city
Bachelor of Computer Science; GPA: 8.03

SKILLS

- **Languages:** Python, C, C++, Bash, HTML/CSS/Javascript
- **Frameworks and Libraries:** PyTorch, TensorFlow and Keras, OpenCV, PaddleOCR, NumPy, scikit-learn, Matplotlib, PySpark, Flask
- **Tools and Technologies:** MySQL, Kafka, Spark
- **MLOps:** MLflow, Kubeflow, Docker, Kubernetes, CI/CD pipelines, Model versioning, Model monitoring

PROJECTS

- **Automatic License Plate Recognition ALPR**
 - ALPR system designed to identify various vehicles and their corresponding license plates
 - Using YOLOv8 to detect vehicles, WPOD-NET to detect license plate and PaddleOCR to extract data from the license plates
 - **Technologies:** YOLOv8, WPOD-NET, PaddleOCR, Pytorch, OpenCV
- **Food ingredients detection**
 - Developed a computer vision system using YOLOv8 to identify and classify 13 common food ingredients
 - Re-trained a YOLOv8 object detection model for the specific task of identifying and classifying 13 food ingredients
 - **Technologies:** YOLOv8, OpenCV, Flask, Pytorch
- **Face Swap**
 - Using various of methods to replace a person's face in an image or video with another person's face
 - * dlib (68 landmarks, basic algorithm)
 - * dlib (81 landmarks, Delaunay triangulation)
 - * MediaPipe (Delaunay triangulation)
 - * MediaPipe + OpenGL (Delaunay triangulation)
 - **Technologies:** OpenCV, Mediapipe, Dlib, OpenGL, numpy
- **SmartSight**
 - Leverages machine learning to analyze your movements through a camera, creating a personalized smart home experience that automatically adjusts lighting, temperature, and more based on your activities (reading, working, sleeping)
 - **Technologies:** YOLOv8, Pytorch, OpenCV

CERTIFICATIONS

- IELTS:6.0
- IBM DevOps and Software Engineering (*coursera*)
- DeepLearning.AI Machine Learning Engineering for Production (MLOps) Specialization (*coursera*)
- MOS WORD
- MOS EXCEL

WORK EXPERIENCE

Cashier

CGV

Feb 2022 - Mar 2024

HCM