

Education

2020 - 2025

Electronics and Telecommunications Engineer, Faculty of Electronics and Telecommunication, University of Danang - University of Science and Technology, Danang.

- Major: Computer Engineering

- Degree Classification: Good

Work Experience

August 2024 - Now

Computer Engineer, UNIVERSITY OF DANANG - UNIVERSITY OF SCIENCE AND TECHNOLOGY, Danang.

Subjects: Machine Learning, Deep Learning, Artifical Intelligence, Data Structures and Algorithms, Advanced Computer Architecture, Cognitive Systems.

AI Student Responsibilities and Daily Activities::

- Develop and improve object detection models

- Work on data classification and clustering projects

- Apply Machine Learning, Deep Learning algorithms for various tasks

- Process and analyze large datasets for model training and evaluation

My Projects

URL [My Github's Source Repositories](#)

August 2024

Object Detection and Recognition System Development using Faster R-CNN.

- Built Faster R-CNN model with MobileNetV3 backbone for object detection on Pascal VOC dataset

- Processed input images (reading, resizing, and normalizing) to ensure compatibility with the model, converting them into the appropriate tensor format

- Used a pre-trained model with default COCO weights and fine-tuned it on custom data to improve detection accuracy on the target task

June 2024

Football Player Detection using YOLOv5.

- Collect sports video data and annotation files. Process video data from folders containing sports videos and annotation files in JSON format

- Create and manage input data folders for training and testing YOLO models

- Convert bounding box coordinates from pixel format to normalized scale for YOLO

- Train and test for object recognition model, improve efficiency and accuracy

September 2023

Brain Tumor Segmentation using DeepLabPlus, U-Net.

- Collect data images and annotations file. Visualization data and data processing

- Developed U-Net and DeepLabV3+ models for brain tumor segmentation with custom architecture

- Pre-processed and augmented image data to enhance model performance

- Implemented dropout and batch normalization to optimize the model and prevent overfitting

- Enhanced segmentation accuracy through hyperparameter tuning and model evaluation

February 2023

Brain Tumor Segmentation using YOLOv8.

- Collect data images and annotations file. Visualization data and data processing

- Converted all mask images to YOLO label format to ensure compatibility with the model's input requirements

- Trained the model and deployed it on test datasets for evaluation

NVIDIA Workshop

Fundamentals of Deep Learning.

Fruit Classification using Convolutional Neural Networks.

- Collected and pre-processed image data for improved model performance

- Optimized architecture and hyperparameters for high accuracy and efficient inference

- Applied data augmentation and model tuning to reduce overfitting and enhance accuracy

My Certificate of Achievement

URL [Fundamentals of Deep Learning](#)

URL [AI/ Machine Learning/ Deep Learning Foundation](#)

Skills & Background Knowledge

Programming

Python, C/C++ Basic, MatLab

Language

English: Basic Working Proficiency

Framework

Tensorflow, Pytorch, Keras, Scikit-learn, YOLO, Matplotlib, OpenCV, Pandas

S/w & Tools

Microsoft office, Latex, Docker, CVAT, Git

Interests

- Play Sports (Champion of the ETE Cup Football Championship, 2023 and 2024), Listen to music