

Education

2020 - 2025 **Electronics and Telecommunications Engineer**, *Faculty of Electronics and Telecommunication*, University of Danang - University of Science and Technology, Danang.
- Major: Computer Engineering
- GPA : 3.4

Work Experience

August 2024 - **Computer Engineer**, UNIVERSITY OF DANANG - UNIVERSITY OF SCIENCE AND TECHNOLOGY, Now 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
- There are 2 years of experience in the field of AI

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

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