Trần Đình Trung – AI ENGINEER (INTERN/FRESHER)

Date of birth: December 10th 2003

Final-Year Undergraduate Student – Faculty of Information Technology.
University of Science, Vietnam National University, Ho Chi Minh City.

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CARRER OBJECTIVE

"I am a dedicated and proactive final-year IT student specializing in Artificial Intelligence and Computer Vision, seeking to leverage my expertise in deep learning, image processing, and vision-language models to contribute to innovative AI-driven solutions. I aim to apply my skills in developing robust computer vision systems, optimizing model performance, and supporting cutting-edge projects in medical imaging and autonomous systems, while continuously advancing my technical proficiency in a dynamic, professional environment."

EDUCATION

MAY 2021 - AUG 2025

Bachelor of Science in Information Technology.
University of Science – VNU-HCMUS
Specialization: Artificial Intelligence and Computer Vision
Relevant Coursework: Deep Learning, Image Processing, Computer Graphics

TECHNICAL SKILLS

PROGRAMING SKILL:

Programming: Python, C++
Frameworks & Libraries: PyTorch, TensorFlow, OpenCV, Keras.
Techniques: Transfer Learning, Semantic Segmentation, Vision-Language Models
Tools: AWS, Git, Visual Studio Code, Google Colab.

CORE KNOWLEDGE AREAS:

Computer Graphics: Colour models, coordinate systems, primitives, rendering mechanisms.
Computer Vision: CNNs, image classification, object detection using OpenCV.
Deep Learning: Training models on visual data for medical and urban applications.
Digital Image & Video Processing
UI & Graphic Design: Built web graphics using HTML/CSS

PROFESSIONAL EXPERIENCE

NOV 2024

Technology Consultant – Newind Real Estate Consulting.
Advised on the integration of smart technologies and digital tools into real estate brokerage operations.

JUL 2022

Teaching Assistant – MindX Technology School
Supported programming classes, provided tutoring and technical assistance in Python and fundamental programming concepts.

PROJECTS:

AMD Diagnosis and Retinal Lesion Segmentation (2025)
Developed an AI model to diagnose Age-related Macular Degeneration (AMD) and segment retinal lesions using Fundus and OCT images. Implemented a dual-task pipeline with ResNet50 for AMD classification and U-Net for lesion segmentation, achieving 92% classification accuracy and 0.85 Dice score on a curated dataset.
Vision-Language Models & CLIP-based Applications (2024)
Researched vision-language models with a focus on CLIP to enhance image segmentation and classification tasks. Integrated CLIP features with deep learning pipelines to improve semantic understanding and zero-shot learning capabilities in medical imaging.
Visual SLAM Pipeline: (2023)
Developed a real-time Visual SLAM system using RGB-D data to estimate camera pose and reconstruct 3D environments. Integrated visual feature tracking and depth data, achieving 95% localization accuracy in indoor settings, applicable to autonomous robotics.

ACTIVITIES & ADDITION SKILLS:

Professional proficiency in technical English (IELTS 6.5)
Cultural Exchange Program, Kyoto University (2023): Collaborated on IoT and visual-language model projects. External Relations Officer,
Soft Skills: Problem-solving, teamwork, analytical thinking.