

TRAN DINH DAI QUAN

✉ tranquan687@gmail.com 📍 Ho Chi Minh City, Vietnam 🌐 tranquan687 🔗 quan-tran-dinh-dai-62a724217
🎓 Google Scholar

Education

National Taiwan University (NTU) , Computer Science • Incoming PhD student supervised by Prof. Winston Hsu.	Taipei, Taiwan Jan 2026 – present
National Chung Cheng University , Advanced Manufacturing Systems • Advisor: Prof. Van-Linh Nguyen	Chiayi, Taiwan Jan 2024 – Jan 2026
Ho Chi Minh City University of Education , Mathematics Teacher Education	Ho Chi Minh City, Vietnam Jan 2018 – Jan 2022

Experience

National Chung Cheng University , Research Assistant Working on Monocular 3D Object Detection and Voice Deepfake Detection. • Propose a Shape-aware Foreground Depth Map and Depth Adaptive Weight for MonoDETR. • Authored "Saw-MonoDETR", accepted to ICIP 2025. • Co-authored VDD: Voice Deepfake Detection, accepted to Signal, Image and Video Processing.	Chiayi, Taiwan Jan 2024 – present 2 years 2 months
Yuan-Ze University , Research Intern • Explore the challenges of monocular 3D object detection and incremental learning.	Taoyuan, Taiwan Nov 2023 – Dec 2023 2 months
National Chung Cheng University , Research Intern (TEEP) • Project Path Planning for Unmanned Aerial Vehicles (UAVs). • Co-authored "DragFly", accepted to VTC2024-Spring.	Chiayi, Taiwan May 2023 – Aug 2023 4 months
GMO-Z.com RUNSYSTEM JSC , AI Research Intern • Developed Real-Time Face Smoothing using MediaPipe Face Mesh. • Customized YOLOv5 for checkbox detection in OCR, achieving F1 score > 90%.	Ho Chi Minh City, Vietnam May 2023 – Aug 2023 4 months

Awards

NSTC Grant for Domestic Graduate Students Tran Dinh Dai Quan	Sept 2025
Best Presentation Award Tran Dinh Dai Quan	June 2025
NSTC Scholarship (International Internship Pilot Program) Tran Dinh Dai Quan	Nov 2023
MOE Scholarship (TEEP) Tran Dinh Dai Quan	May 2023

Publications

Saw-Monodetr: Shape-Aware Adaptive Weighted Transformer for Monocular 3d Object Detection
Source: ORCID
Dinh Dai Quan Tran, Thanh-Huy Nguyen, Vinh Quang Dinh, Ren-Hung Hwang, Van-Linh Nguyen

IGL-DT: Iterative Global-Local Feature Learning with Dual-Teacher Semantic Segmentation Framework Under Limited Annotation Scheme

Source: ORCID

Dinh Dai Quan Tran, Hoang-Thien Nguyen, Thanh-Huy Nguyen, Gia-Van To, Tien-Huy Nguyen, Quan Nguyen

Vdd: voice deepfake detection with three-channel acoustic representations and advanced split-attention networks

Source: ORCID

Khanh-Duy Cao-Phan, Quan Tran Dinh Dai, Van-Linh Nguyen

DragFly: Joint Threat Object Detection And UAV Trajectory Planning in Hostile Environments

Source: ORCID

Akkapatch Thouchamongkol, Hong-Yi Chen, Yan-Hao Wang, Quan Tran Dinh Dai, Van-Linh Nguyen

In-context Cross-Density Adaptation on Noisy Mammogram Abnormalities Detection

Source: ORCID

Huy T. Nguyen, Thinh B. Lam, Quan T. D. Tran, Minh T. Nguyen, Dat T. Chung, Vinh Q. Dinh

Skills

Research

Tools

Languages

Vietnamese

Native

English

IELTS 6.5

References

Prof. Van-Linh Nguyen (PhD)

Prof. Ren-Hung Hwang (PhD)

Dr. Dinh Quang Vinh (PhD)