TRAN DINH DAI QUAN

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Google Scholar

Education

National Taiwan University (NTU), Computer Science — Taipei, Taiwan
- Incoming PhD student supervised by Prof. Winston Hsu. — Jan 2026 – present

National Chung Cheng University, Advanced Manufacturing Systems — Chiayi, Taiwan
- Advisor: Prof. Van-Linh Nguyen — 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 — Chiayi, Taiwan
Working on Monocular 3D Object Detection and Voice Deepfake Detection. — Jan 2024 – present
2 years 2 months
- 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.

Yuan-Ze University, Research Intern — Taoyuan, Taiwan
- Explore the challenges of monocular 3D object detection and incremental learning. — Nov 2023 – Dec 2023
2 months

National Chung Cheng University, Research Intern (TEEP) — Chiayi, Taiwan
- Project Path Planning for Unmanned Aerial Vehicles (UAVs). — May 2023 – Aug 2023
- Co-authored "DragFly", accepted to VTC2024-Spring. — 4 months

GMO-Z.com RUNSYSTEM JSC, AI Research Intern — Ho Chi Minh City, Vietnam
- Developed Real-Time Face Smoothing using MediaPipe Face Mesh. — May 2023 – Aug 2023
- Customized YOLOv5 for checkbox detection in OCR, achieving F1 score > 90%. — 4 months

Awards

NSTC Grant for Domestic Graduate Students — Sept 2025
Tran Dinh Dai Quan

Best Presentation Award — June 2025
Tran Dinh Dai Quan

NSTC Scholarship (International Internship Pilot Program) — Nov 2023
Tran Dinh Dai Quan

MOE Scholarship (TEEP) — May 2023
Tran Dinh Dai Quan

Publications

Saw-monodetr: Shape-aware adaptive weighted transformer for monocular 3d object detection
Accepted to 2025 IEEE International Conference on Image Processing (ICIP).
D. D. Q. Tran, T.-H. Nguyen, V. Q. Dinh, R.-H. Hwang, V.-L. Nguyen

Igl-dt: Iterative global-local feature learning with dual-teacher semantic segmentation framework
Accepted to CVPR 2025 - Precognition Workshop.
D. D. Q. Tran, H.-T. Nguyen, T.-H. Nguyen, G.-V. To, T.-H. Nguyen, Q. Nguyen

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)