

PHAM TRUNG KIEN

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RESEARCH INTERESTS

My current research interests lie in the realm of **Multimodal Generation and Understanding** (SpA2V, MM'25). Previously, I have worked on some generative applications of **Diffusion Models** such as *Image Composition* (TALE, MM'24), and involved in projects related to **Visual Perception** for *Autonomous Driving* (CCSU, ICRA'24) and *Humanoid Robotics* (RO-MAN'24).

EDUCATION BACKGROUND

Hong Kong University of Science and Technology	Anticipated PhD Graduation: 06/2027
• PhD Student in Computer Science and Engineering <i>Co-advised by Prof. Long Chen and Prof. Qifeng Chen</i>	2024 - Present
• MPhil Student in Computer Science and Engineering <i>Advised by Prof. Qifeng Chen</i>	2022 - 2024
• BSc in Data Science and Computer Science - First Class Honors S.S. Chern Class Graduate	2018 - 2022

PUBLICATIONS

[1] SpA2V: Harnessing Spatial Auditory Cues for Audio-driven Spatially-aware Video Generation

Kien T. Pham, Yingqing He, Yazhou Xing, Qifeng Chen, Long Chen
ACM MM 2025. [\[PAGE\]](#) [\[PDF\]](#)

[2] TALE: Training-free Cross-domain Image Composition via Adaptive Latent Manipulation and Energy-guided Optimization

Kien T. Pham, Jingye Chen, Qifeng Chen
ACM MM 2024. [\[PAGE\]](#) [\[CODE\]](#) [\[PDF\]](#)

[3] A Dialogue System Architecture for Humanoid Robots Targeting Patient Interview Tasks

Yifan Shen, Dingdong Liu, Yejin Bang, Ho Shu Chan, Rita Frieske, Hoo Choun Chung, Jay Nieles, Tianjia Zhang, **Kien T. Pham**, Wai Yi Rosita Cheng, Yini Fang, Qifeng Chen, Pascale Fung, Xiaojuan Ma, Bertram Shi
RO-MAN 2024. [\[PDF\]](#)

[4] Cross-Cluster Shifting for Efficient and Effective 3D Object Detection in Autonomous Driving

Zhili Chen, **Kien T. Pham**, Maosheng Ye, Zhiqiang Shen, Qifeng Chen
ICRA 2024. [\[PDF\]](#)

PROFESSIONAL SERVICES

Conference Reviewer NeurIPS, ICLR, CVPR, ICCV, ICML

EXPERIENCES

DeepRoute.ai, Shenzhen, On-site Mar. 2025 - Sep. 2025
Algorithm Research Intern
Description: R&D on VLA model for Autonomous Driving System

viAct, Hong Kong, Remote Apr. 2021 - Aug. 2021
AI Trainee
Description: Develop AI-assisted Safety Measures for ConTech Applications

GMO-Z.com RUNSYSTEM, Vietnam, On-site Feb. 2020 - May. 2020
AI Intern
Description: Develop OCR model for information extraction from documents

ACHIEVEMENTS

• Postgraduate Studentship	2022 - Present
• UGC RTG Award, Hong Kong University of Science and Technology	2024 - 2025
• The S.S. Chern Class Admission, Talent, and Graduation Scholarships	2019 - 2022
• Heart Free Lodge Scholarship	2018 - 2019
• University Scholarship	2018 - 2022
• Dean's List	2018 - 2022