

# PHAM TRUNG KIEN

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[Webpage] [GitHub]



## 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**

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|--|-----------------------|
| <ul style="list-style-type: none"><li>• PhD Student in Computer Science and Engineering<br/><i>Co-advised by Prof. Long Chen and Prof. Qifeng Chen</i></li></ul> | <b>2024 - Present</b> |
| <ul style="list-style-type: none"><li>• MPhil Student in Computer Science and Engineering<br/><i>Advised by Prof. Qifeng Chen</i></li></ul>                      | <b>2022 - 2024</b>    |
| <ul style="list-style-type: none"><li>• BSc in Data Science and Computer Science - First Class Honors<br/>S.S. Chern Class Graduate</li></ul>                    | <b>2018 - 2022</b>    |

## 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 Nieves, 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    |