Jing Tan

| CONTACT INFORMATION | Room 703, Ho Sin-Hang Engineering Building, The Chinese University of Hong Kong, Shatin N.T. Hong Kong | (+852) 9360-4025 jingtan@ie.cuhk.edu.hk |

RESEARCH INTERESTS

Computer Vision: 3D generative AI, Video analysis and understanding
Machine Learning: Deep learning

EDUCATION

Department of Information Engineering, The Chinese University of Hong Kong Hong Kong SAR
Ph.D. Student in MMLab Aug. 2023 – Present
Supervisor: Prof. Dahua Lin

Department of Computer Science and Technology, Nanjing University Nanjing, China
Master in MCG Lab Sept. 2020 – June 2023
Supervisor: Prof. Limin Wang

Kuang Yaming Honors School, Nanjing University Nanjing, China
B.Sc., Major in Computer Science (GPA 4.44/5, Rank 3/29). Sept. 2016 – June 2020

PUBLICATION

- **Jing Tan***, Shuai Yang, Tong Wu, Jingwen He, Yuwei Guo, Ziwei Liu, Dahua Lin, *Imagine360: Immersive 360 Video Generation from Perspective Anchor*, *arXiv*, 2024.

- Shuai Yang*, **Jing Tan***, Mengchen Zhang, Tong Wu, Yixuan Li, Gordon Wetzstein, Ziwei Liu, Dahua Lin, *LayerPano3D: Layered 3D Panorama for Hyper-Immersive Scene Generation*, *arXiv*, 2024.

- Zhenzhi Wang, Yixuan Li, Yanhong Zeng, Youqing Fang, Yuwei Guo, Wenran Liu, **Jing Tan**, Kai Chen, Tianfan Xue, Bo Dai, Dahua Lin, *HumanVid: Demystifying Training Data for Camera-controllable Human Image Animation*, in **NeurIPS D&B Track**, 2024.

- Yuhan Zhu, Guozhen Zhang, **Jing Tan**, Gangshan Wu, Limin Wang, *Dual DETRs for Multi-Label Temporal Action Detection*, in **CVPR**, 2024.

- **Jing Tan**, Yuhong Wang, Gangshan Wu, Limin Wang, *Temporal Perceiver: A General Architecture for Generic Boundary Detection*, in **T-PAMI**, 2023.

- **Jing Tan**, Xiaotong Zhao, Xintian Shi, Bin Kang, Limin Wang, *PointTAD: Multi-label Temporal Action Detection with Learnable Query Points*, in **NeurIPS**, 2022.

- **Jing Tan***, Jiaqi Tang*, Limin Wang, Gangshan Wu, *Relaxed Transformer Decoders for Direct Action Proposal Generation*, in **ICCV**, 2021.

HONORS AND AWARDS (SELECTED)

Outstanding Master Thesis Award (3/226)	Nanjing University	2023
Outstanding Graduate of Nanjing University (20%)	Nanjing University	2023
National Scholarship (6/226)	Ministry of Education	2022
3rd Place, GEBD-LOVEU Challenge @ CVPR'22	Workshop Committee	2022
Outstanding Postgraduate Student Award	Nanjing University	2021
1st Prize, Scholarship for Postgraduate Students (20%)	Nanjing University	2020 & 2021
2nd Prize, Academic Outstanding Scholarship for Elite Class	Nanjing University	2017 & 2018

INTERNSHIP

Video Algorithm Intern Beijing, China
Platform and Content Group, Tencent Dec. 2021 - June 2023

- Build a sparse, query-based temporal action detector that is able to precisely localize concurrent instances in multi-label videos and egocentric videos. This temporal action detector is end-to-end trainable with feature extractor and requires only RGB frame input, which is easy for online deployment and automatic video processing.

SERVICES

Reviewer for CVPR, ICCV, ECCV, NeurIPS, ICML, ICLR, IJCV. Regular
IERG 4998 & 4999 Final Year Project CUHK
Teaching assistant Aug. 2023 - June 2024
Digital Logic Design and Computer Organization Nanjing University
Teaching assistant Mar. 2021 - July 2021