Yao **Teng**

🔗 tyshiwo1.github.io   ⬛ github.com/tyshiwo1   ▫ (+86) 15365045190   ✉ tengyao19980325@gmail.com
📍 Pokfulam, Hong Kong

🎓 Education

Sept. 2023 - Present	**PhD in Electrical and Electronic Engineering**, The University of Hong Kong	Hong Kong, China
	Supervisor : Prof. Xihui Liu	
Sept. 2020 - Jun. 2023	**M.Sc. in Computer Science and Technology**, Nanjing University	Nanjing, China
	M.Sc. in MCG Lab, Supervisor : Prof. Limin Wang	
Sept. 2016 - July. 2020	**B.S. in Software Engineering**, Xidian University	Shaanxi, China
	GPA : 3.7/4.0 ∣ **Rank** : 18/445 (4%)	

💡 Research Interests

Computer Vision : auto-regressive model, diffusion model, image generation, video editing, detection, scene understanding

📖 Publications

> **Yao Teng**, Han Shi, Xian Liu, Xuefei Ning, Guohao Dai, Yu Wang, Zhenguo Li, Xihui Liu. **Accelerating auto-regressive Text-to-Image Generation with Training-free Speculative Jacobi Decoding**, in The Thirteenth International Conference on Learning Representations (**ICLR**), 2025.

> **Yao Teng**, Yue Wu, Han Shi, Xuefei Ning, Guohao Dai, Yu Wang, Zhenguo Li, Xihui Liu. **DiM : Diffusion Mamba for Efficient High-Resolution Image Synthesis**, Under review, 2024.

> **Yao Teng**, Enze Xie, Yue Wu, Haoyu Han, Zhenguo Li, Xihui Liu. **Drag-a-video : Non-rigid Video Editing with Point-based Interaction**, Under review, 2024.

> Yisen Wang, **Yao Teng**, Limin Wang. **CycleHOI : Improving Human-Object Interaction Detection with Cycle Consistency of Detection and Generation**. Under review.

> Liang Zhao*, **Yao Teng***, Limin Wang. **Logit Normalization for Long-tail Object Detection**. **IJCV**.

> Haisong Liu, **Yao Teng**, Tao Lu, Haiguang Wang, Limin Wang. **SparseBEV : High-Performance Sparse 3D Object Detection from Multi-Camera Videos**, in IEEE International Conference on Computer Vision (**ICCV**), 2023.

> Shuai Wang, **Yao Teng**, Limin Wang. **Deep Equilibrium Object Detection**, in IEEE International Conference on Computer Vision (**ICCV**), 2023.

> **Yao Teng**, Haisong Liu, Sheng Guo, Limin Wang. **StageInteractor : Query-based Object Detector with Cross-stage Interaction**, in IEEE International Conference on Computer Vision (**ICCV**), 2023.

> **Yao Teng**, Limin Wang. **Structured Sparse R-CNN for Direct Scene Graph Generation**, in IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2022.

> **Yao Teng**, Limin Wang, Zhifeng Li, Gangshan Wu. **Target Adaptive Context Aggregation for Video Scene Graph Generation**, in IEEE International Conference on Computer Vision (**ICCV**), 2021.

☰ Skills

Programming Skills : Python, LaTeX, C/C++, Matlab, Java.
Languages : Mandarin, English.

🔨 Honors & Awards

2021	**National Scholarship for Postgraduates**	Nanjing University
2021	**Pacemaker to Outstanding Graduate Student**	Nanjing University
2021	**1st Award**, Scholarship for Postgraduate Students	Nanjing University
2019	**Silver Medal**, The 2019 ICPC China Shaanxi Provincial Programming Contest	Xidian University
2018	**Bronze Medal**, The 2018 ACM-ICPC China Invitational Contest Xi'an Site	Xidian University