

LU SHILIN (卢仕霖)

Third-Year Ph.D Candidate

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EDUCATION

Nanyang Technological University (NTU), Ph.D. in Artificial Intelligence	Jun 2022 – Present
Nanyang Technological University (NTU), M.Sc. in Communication Engineering, GPA: 4.88/5.0	Aug 2021 – June 2022
Shandong University (SDU), B.Eng. in Communication Engineering, GPA: 88.53/100	Sept 2017 – Jun 2021
Technical University of Munich (TUM), Summer Exchange Program	Aug 2019 – Sept 2019

PUBLICATION

CONFERENCE

[ICML 2025] EraseAnything: Enabling Concept Erasure in Rectified Flow Transformers

Daiheng Gao, [Shilin Lu](#), Shaw Walters, Wenbo Zhou, Jiaming Chu, Jie Zhang, Bang Zhang, Mengxi Jia, Jian Zhao, Zhaoxin Fan, Weiming Zhang

arXiv: <https://arxiv.org/abs/2412.20413>

[ICLR 2025] Robust Watermarking Using Generative Priors Against Image Editing: From Benchmarking to Advances

[Shilin Lu](#), Zihan Zhou, Jiayou Lu, Yuanzhi Zhu, and Adams Wai-Kin Kong

arXiv: <https://arxiv.org/abs/2410.18775>

[CVPR 2024] Mace: Mass Concept Erasure in Diffusion Models

[Shilin Lu](#), Zilan Wang, Leyang Li, Yanzhu Liu, and Adams Wai-Kin Kong

arXiv: <https://arxiv.org/abs/2403.06135>

[ICCV 2023] TF-ICON: Diffusion-Based Training-Free Cross-Domain Image Composition

[Shilin Lu](#), Yanzhu Liu, and Adams Wai-Kin Kong

arXiv: <https://arxiv.org/abs/2307.12493>

PREPRINT

[Under Review] Set You Straight: Auto-Steering Denoising Trajectories to Sidestep Unwanted Concepts

Leyang Li*, [Shilin Lu](#)*, Yan Ren, and Adams Wai-Kin Kong

(* Equal Contribution)

arXiv: <https://arxiv.org/abs/2504.12782>

[Under Review] All That Glitters Is Not Gold: Key-Secured 3D Secrets within 3D Gaussian Splatting

Yan Ren, [Shilin Lu](#), and Adams Wai-Kin Kong

arXiv: <https://arxiv.org/abs/2503.07191>

[Under Review] OFTSR: One-Step Flow for Image Super-Resolution with Tunable Fidelity-Realism Trade-offs

Yuanzhi Zhu, Ruiqing Wang, [Shilin Lu](#), Junnan Li, Hanshu Yan, Kai Zhang

arXiv: <https://arxiv.org/abs/2412.09465>

[Under Review] Temporal-Guided Spiking Neural Networks for Event-Based Human Action Recognition
Siyuan Yang*, Shilin Lu*, Shizheng Wang, Meng Hwa Er, Zengwei Zheng, Alex C. Kot
(* Equal Contribution) (*Done During Master's Program*)
arXiv: <https://arxiv.org/abs/2503.17132>

JOURNAL

[Multimedia Tools and Applications] Copy-Move Image Forgery Detection Based on Evolving Circular Domains Coverage
Shilin Lu, Xinghong Hu, Chengyou Wang, Lu Chen, Shulu Han, and Yuejia Han
(*Done During Undergraduate Studies*)
arXiv: <https://arxiv.org/pdf/2109.04381>

Honors & Rewards

2017 – 2020	SDU Excellent Student Scholarship
Jun 2021	SDU Final Year Project Best Paper Award in Communication Engineering (2021)
Jul 2020	Second honor in the 14th SDU Student Research Training Program

Professional Services

Conference Review	BMVC 2024, ICLR 2025, ICCV 2025, ACMMM 2025, NeurIPS 2025
Journal Review	IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)
Workshop Review	ICLR 2025 Workshop on GenAI Watermarking

Teaching Experience

Jan 2023 – May 2023	SC3000-CZ3005-ARTIFICIAL INTELLIGENCE (Teaching Assistant at NTU)
Aug 2023 – May 2024	Supervision of Master of Science in Artificial Intelligence (MSAI) Dissertation (Master: Leyang Li)
Aug 2024 – Present	Supervision of Master of Science in Artificial Intelligence (MSAI) Dissertation (Master: Zihan Zhou, Shaocong Zhang, Zhuming Lian)