

Xin Xie

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EDUCATION

- University of New South Wales (UNSW Sydney)** - *School of Computer Science and Engineering* Aug.2024 - Present
- *PhD Candidate* in Computer Science and Engineering
 - Supervisor: Dr. Dong Gong
 - Research Topics: Text-to-Image/Video Generation, Diffusion Models, Preference Alignment
- Dalian University of Technology** - *School of Information and Communication Engineering* Sep.2021 - Jun.2024
- *Master of Engineering* in Information and Communication Engineering (Artificial Intelligence)
 - Supervisor: Associate Prof. Yi Li
 - GPA: 3.83 / 4.0 Average Score : 91.25 / 100
 - Research Topics: Disentangled Representations, Style Transfer, Image Generation
- Dalian Maritime University** - *College of Marine Electrical Engineering* Aug.2017 - Jun.2021
- *Bachelor of Engineering* in Automation
 - GPA: 4.01 / 5.0 Average Score : 90.00 / 100 Rank: 7 / 123
 - Main courses: Signals and Systems, Automatic Control Theory, Basics of Computer Software
 - Research Topics: Object Detection, Image-to-image Translation

RESEARCH EXPERIENCE

- Research Intern, ByteDance** Jun.2022 - Feb.2023
- Worked in Product RD (Research and Development) and Infrastructure department, AI lab.
 - Cooperated with teams in North America and Singapore to develop and publish special vision effects on TikTok via diffusion models, such as Van Gogh-style rendering and transforming natural scenes into oases or snowy landscapes.
- Research Intern, Chinese Academy of Sciences (CASIA)** Jul.2021 - Sep.2021
- Worked in National Laboratory of Pattern Recognition (NLPR), Institute of Automation.
 - Participated in the Image Semantic Disentanglement for Multi-party Multi-task Collaboration research project, focusing on interpretability and controllability in style transfer.

PUBLICATIONS

- HyperAlign: Hypernetwork for Efficient Test-Time Alignment of Diffusion Models** arXiv:2601.15968
Xin Xie, Jiaxian Guo, Dong Gong
- DyMO: Training-Free Diffusion Model Alignment with Dynamic Multi-Objective Scheduling** CVPR, Jun.2025
Xin Xie, Dong Gong
- Training-Free Motion Customization for Distilled Video Generators with Adaptive Test-Time Distillation** arXiv:2506.19348
Jintao Rong, Xin Xie*, Xinyi Yu, Linlin Ou, Xinyu Zhang, Chunhua Shen, Dong Gong* (*Equal contribution)
- Efficient Hi-Fi Style Transfer via Statistical Attention and Modulation** IJCAI, Aug.2025
Zhirui Fang, Yi Li, Xin Xie, Chengyan Li, Yanqing Guo
- Parallel Graph Convolutional Network for Multi-modal Recommendation** PAKDD, Jan.2025
Wanru Niu, Yi Li, Jianfei Liu, Xin Xie, Haiyan Fu, Yanqing Guo
- RoNet: Rotation-oriented Continuous Image Translation** arXiv:2404.04474
Yi Li, Xin Xie, Lina Lei, Haiyan Fu, Yanqing Guo, Ming Yao
- A Compact Transformer for Adaptive Style Transfer** ICME, Jul.2023
Yi Li, Xin Xie, Haiyan Fu, Xiangyang Luo, Yanqing Guo
- Federating Hashing Networks Adaptively for Privacy-Preserving Retrieval** ICME, Jul.2023
Yi Li, Meihua Yu, Xin Xie, Haiyan Fu, Hao He, Yanqing Guo
- Enhancing Encoder with Attention Gate for Multimodal Brain Tumor Segmentation** MICCAI, Aug.2023
Yi Li, Zhirui Fang, Di Li, Xin Xie, Yanqing Guo

Artistic Style Discovery with Independent Components
Xin Xie, Yi Li, Huaibo Huang, Haiyan Fu, Wanwan Wang, Yanqing Guo

CVPR, Jun.2022

SELECTED HONORS

Best Poster Presentation Awardee , Sydney AI Meetup	<i>Nov.2025</i>
University International Postgraduate Award , University of New South Wales	<i>Aug.2024</i>
Excellent Student Scholarship , Dalian University of Technology	<i>Oct.2022</i>
First-class Scholarship , Dalian University of Technology	<i>Oct.2022</i>
Outstanding Postgraduate Student , Dalian University of technology	<i>Oct.2022</i>
Second-class Scholarship , Dalian University of Technology	<i>Oct.2021</i>
Outstanding Graduate , Dalian Maritime University	<i>Jun.2021</i>

ACADEMIC SERVICES

Reviewer: CVPR, AAAI, IJCAI, NeurIPS, ICCV, ECCV, MICCAI, ICLR