Xin Xie

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EDUCATION

Dalian University of Technology - *College of Science and Technology* *Sep.2021 - present*

- M.E. in Information and Communication Engineering (Artificial Intelligence)
- Advisor: Associate Prof. Yi Li
- GPA: 3.83 / 4.0
- Main courses: Machine Learning, Object-Oriented Programming Technology, Matrix and Numerical Analysis
- Reseach interests: Disentangled Representations, Style Transfer, Image Generation

Dalian Maritime University - *College of Marine Electrical Engineering* *Aug.2017 - Jun.2021*

- B.E. in Automation
- GPA: 4.01 / 5.0 Rank: 7 / 123
- Main courses: Signals and Systems, Automatic Control Theory, Basics of Computer Software
- Reseach interests: Object Detection, Image-to-image Translation

PUBLICATIONS

Artistic Style Discovery with Independent Components *CVPR, 2022*

***Xin Xie**, Yi Li*, Huaibo Huang, Haiyan Fu, Wanwan Wang, Yanqing Guo*

- We introduce a novel unsupervised algorithm that can discover various styles from the latent space, advancing the ability of controllable stylization.
- We obtain the independent style components from the mixed latent style dimensions in style transfer, resulting in multiple artistic stylizations and lowering computational costs.
- Our method is generally applicable without training and we demonstrate the effectiveness and flexibility of our approach via abundant experiments on several state-of-the-art style transfer models.

SELECTED HONORS

Huawei Scholarship, Dalian University of Technology *Oct.2022*
First-class Scholarship, Dalian University of Technology *Oct.2022*
Outstanding Postgraduate Student, Dalian University of technology *Oct.2022*
Second-class Scholarship, Dalian University of Technology *Oct.2021*
Outstanding Graduate, Dalian Maritime University *Jun.2021*

SKILLS

Programming: Python, PyTorch, LaTeX
Languages: English (conversant), Mandarin (native)

SERVICES

Reviewer: CVPR 2022, IJCAI 2022, CVPR 2023, MICCAI

Internship Experiences:

- **Intelligent Creation**, Infrastructure department of Douyin Vision, AI lab, **Bytedance** *Jun.2022 - Feb.2023*
- **Center for Research on Intelligent Perception and Computing**, Institute of Automation, **Chinese Academy of Sciences (CASIA)** *Jul.2021 - Sep.2021*