

Xin Lin

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Education

Sichuan University

Electronics and Information Engineering 3/111

Chengdu, CHINA

2021–2025

Publications

- Unsupervised Image Denoising in Real-World Scenarios via Self-Collaboration Parallel Generative Adversarial Branches**
Xin Lin, Xiao Liu, Jie Huang, Chao Ren and Yinjie Lei.
ICCV 2023.
- Unlocking Low-Light-Rainy Image Restoration by Pairwise Degradation Feature Vector Guidance.**
Xin Lin, Jingtong Yue, Sixian Ding, Chao Ren, Lu Qi and Ming-Hsuan Yang.
TCSVT.
- Dual-Representation Interaction Driven Image Quality Assessment with Restoration Assistance**
Jingtong Yue, **Xin Lin**, Zijiu Yang and Chao Ren.
WACV 2025.
- Restore Anything with Masks: Leveraging Mask Image Modeling for Blind All-in-One Image Restoration**
Chujie Qin, Ruiqi Wu, Zikun Liu, **Xin Lin**, Chun-Le Guo, Hyun Hee Park and Chongyi Li.
ECCV 2024.
- HQGS: High-Quality Novel View Synthesis with Gaussian Splatting in Degraded scenes**
Xin Lin, Shi Luo, Xiaojun Shan, Xiaoyu Zhou, Chao Ren, Lu Qi, Ming-Hsuan Yang and Nuno Vasconcelos.
Submitted to ICLR 25.
- RobuRCDet: Enhancing Robustness of Radar-Camera Fusion in Bird's Eye View for 3D Object Detection**
(* equal contribution)
Jingtong Yue*, Zhiwei Lin*, **Xin Lin***, Xiaoyu Zhou, Xiangtai Li, Lu Qi, Yongtao Wang and Ming-Hsuan Yang.
Submitted to ICLR 25
- Re-boosting Self-Collaboration Parallel Prompt GAN for Unsupervised Image Restoration**
Xin Lin*, Yuyan Zhou*, Jingtong Yue, Chao Ren, Kelvin C.K. Chan, Lu Qi and Ming-Hsuan Yang.
Submitted to TPAMI.
- DINO-driven Multi-task Image Restoration.**
Xin Lin, Chao Ren, Kelvin C.K Chan, Lu Qi, Jinshan Pan and Ming-Hsuan Yang.
Submitted to AAAI 2025.

Experience

1. University of California, San Diego

Research Intern

Advisor: Prof. Nuno Vasconcelos

July 2024–now

2. University of California, Merced

Research Intern

Advisor: Prof. Ming-Hsuan Yang

June 2023–now

3. Sichuan University

Research Intern

Advisor: Prof. Chao Ren

March 2022–now

Professional Service

Journal Reviewer

– IJCV, Information Fusion

Conference Reviewer

– ICLR 24, NeurIPS 24, ECCV 24, ACM MM 24,23, CVPRW 23

Awards

SenseTime Scholarship; 25 Talented undergraduates in China. (Referrer: **Ming-Hsuan Yang**)

National Scholarship; (Top 0.2% nationwide, highest scholarship in China).

Top 100 Students in Sichuan University; (100/60,000+).

Hua Wen Scholarship; (Top 1% in Sichuan University).

Outstanding Student Award, Sichuan University; (Top 1% in Sichuan University).

Chinese Mathematics Competitions first prize; (Top 0.08% in Sichuan province).