

# Xin Lin

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## Education

Sichuan University

Electronics and Information Engineering 3/111

Chengdu, CHINA

2021–2025

## Publications

1. **HQGS: High-Quality Novel View Synthesis with Gaussian Splatting in Degraded scenes** [paper]  
**Xin Lin**, Shi Luo, Xiaojun Shan, Xiaoyu Zhou, Chao Ren, Lu Qi, Ming-Hsuan Yang and Nuno Vasconcelos.  
*Submitted to ICLR 25 (score: 8, 6, 6, 6; Top 13% in all valid submissions).*
2. **RobuRCDet: Enhancing Robustness of Radar-Camera Fusion in Bird's Eye View for 3D Object Detection** [paper]  
**Xin Lin\***, Jingtong Yue\*, Zhiwei Lin\*, Xiaoyu Zhou, Xiangtai Li, Lu Qi, Yongtao Wang and Ming-Hsuan Yang.  
*Submitted to ICLR 25 (\* equal contribution; score: 8, 6, 6, 5; Top 20% in all valid submissions)*
3. **Unsupervised Image Denoising in Real-World Scenarios via Self-Collaboration Parallel Generative Adversarial Branches** [paper]  
**Xin Lin**, Xiao Liu, Jie Huang, Chao Ren and Yinjie Lei.  
*ICCV 2023.*
4. **Dual Degradation Representation for Joint Deraining and Low-Light Enhancement in the Dark** [paper]  
**Xin Lin**, Jingtong Yue, Sixian Ding, Chao Ren, Lu Qi and Ming-Hsuan Yang.  
*TCSVT.*
5. **Dual-Representation Interaction Driven Image Quality Assessment with Restoration Assistance** [paper]  
Jingtong Yue, **Xin Lin**, Ziji Yang and Chao Ren.  
*WACV 2025.*
6. **Restore Anything with Masks: Leveraging Mask Image Modeling for Blind All-in-One Image Restoration** [paper]  
Chujie Qin, Ruiqi Wu, Zikun Liu, **Xin Lin**, Chun-Le Guo, Hyun Hee Park and Chongyi Li.  
*ECCV 2024.*
7. **Re-boosting Self-Collaboration Parallel Prompt GAN for Unsupervised Image Restoration** [paper]  
**Xin Lin\***, Yuyan Zhou\*, Jingtong Yue, Chao Ren, Kelvin C.K. Chan, Lu Qi and Ming-Hsuan Yang.  
*Submitted to TPAMI.*
8. **DINO-driven Multi-task Image Restoration** [paper]  
**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

Reviewer

– ICLR 25, NeurIPS 24, ECCV 24, ACM MM 24,23, CVPRW 23, IJCV, Information Fusion

## 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+).

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