Runyi Li

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Education

Peking University 2023.08 – Present

Master student in Computer Science, supervised by Prof. Jian Zhang, GPA 3.86/4, IELTS 7.0

Sichuan University 2019.09 – 2023.06

B.S. in Computer Science, Honor Graduate, supervised by Prof. Lei Zhang, GPA 3.91/4, ranking top 2%

Selected Publications

Generative AI for Low-level Vision

- OmniSSR: Zero-shot Omnidirectional Image Super-Resolution using Stable Diffusion Model. **First** author. *ECCV 24* ***Oral***.

Generative AI with Privacy and Trustworthy

- EditGuard: Versatile Image Watermarking for Tamper Localization and Copyright Protection. Second author. *CVPR 24*
- V2A-Mark: Versatile Deep Visual-Audio Watermarking for Manipulation Localization and Copyright Protection. Third author. *ACMMM 24*
- GS-Hider: Hiding Messages into 3D Gaussian Splatting. Third author. *NeurIPS 24*
- Fakeshield: Explainable image forgery detection and localization via multi-modal large language models. Third author. *ICLR 25*
- OmniGuard: Hybrid Manipulation Localization via Augmented Versatile Deep Image Watermarking. Fourth author. *CVPR 25*

AI for Science

- Machine learning for energy band prediction of halide perovskites. Co-first author. *Materials Futures (JCR Q1, IF=10.8)*

Selected Manuscripts Under-Review

Generative AI for Low-level Vision

- LAFR: Efficient Diffusion-based Blind Face Restoration via Latent Codebook Alignment Adapter. First author. *NeurIPS 25 submission*
- CTSR: Controllable Fidelity-Realness Trade-off Distillation for Real-World Image Super Resolution. First author. *AAAI 26 submission*.
- RealOSR: Latent Unfolding Boosting Diffusion-based Real-world Omnidirectional Image Super-Resolution. Co-first author. *NeurIPS 25 submission*.

Generative AI with Privacy and Trustworthy

- Rooting Adaptive Watermarks for 3D Gaussian Generation Model. First author. *MIR under review (JCR Q1, IF=8.7)*

Experience

Bytedance Tiktok Group *Research Intern* 2025.06 – Present

AIGC, MLLM&VLM, Unified Understanding and Generation Model

Universität Würzburg *Visiting Student* 2024.10 – 2025.05

Supervised by Prof. Radu Timofte; Low-level Vision, Real-world Image Super-resolution

RabbitPre Intelligent Technology Co., Ltd. *Algorithm Engineer* 2024.04 – 2025.03

Copyright & Privacy Protection, Personalized AIGC

School of Physics, Peking University *Visiting Student* 2024.12 – Present

Co-supervised by Prof. Lixin Xiao; AI for Chemistry and Materials Research

Century Frontier *Quant Trading Researcher* 2025.01 – 2025.03

High Frequency Trading, LLM, Time Series Prediction

Selected Honors and Awards

Outstanding Student of Peking University 2024
Outstanding Graduate of Sichuan Province 2023
National Scholarship of China 2022