

JINRUI YANG

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EDUCATION

University of California, Santa Cruz, CA, U.S. 2023.8 – Now

Ph.D. student in Computer Science

Sun Yat-sen University, Guangzhou, China 2019.9 – 2021.6

M.E. in Computer Technology

Sichuan University, Chengdu, China 2015.9 – 2019.6

B.E. in Software Engineering

WORK EXPERIENCE

Adobe Research, San Jose, USA 2024.06 – 2025.03

Research Intern

Duties included: I focus on layer-wise scene analysis and recompositing, which involves image generation, multi-layer decomposition, and re-composition. Our goal is to enable users to edit images in a way that is content-preserving and recombination-friendly.

Tencent YouTu Lab, Shanghai, China 2021.07 – 2023.08

Researcher, Full-time

Duties included:

- 1) Building robust vision perception models for different business scenarios.
- 2) Applying large multimodal models to downstream visual tasks in the real-world.
- 3) Building an evaluation benchmark for multimodal large language models. [Github](#), which is widely adopted by mainstream multimodality models(e.g., LLaVA-1.6, Qwen-VL-Max, etc).

Tencent YouTu Lab, Shanghai, China 2020.04 – 2020.10

Research Intern

PUBLICATIONS

1. **Jinrui Yang**, Qing Liu, Yijun Li, Soo Ye Kim, Daniil Pakhomov, Mengwei Ren, Jianming Zhang, Zhe Lin, Cihang Xie, Yuyin Zhou. Generative Image Layer Decomposition with Visual Effects. **In submission**. [Project page](#).
2. **Jinrui Yang**, Xianhang Li, Druv Pai, Yuyin Zhou, Yi Ma, Yaodong Yu, Cihang Xie. Scaling White-Box Transformers for Vision. **NeurIPS 2024**. [Project page](#).
3. **Jinrui Yang**, Wei-Shi Zheng, Qize Yang, Yingcong Chen, Qi Tian. Spatial-Temporal Graph Convolutional Network for Video-based Person Re-identification. **CVPR 2020**.
4. **Jinrui Yang**, Jiawei Zhang, Fufu Yu, Xinyang Jiang, mengdan zhang, Xing Sun, Yingcong Chen, Wei-Shi Zheng. Learning to Know Where to See: A Visibility-Aware Approach for Occluded Person Re-identification. **ICCV 2021**.
5. Chaoyou Fu, Peixian Chen, Yunhang Shen, Yulei Qin, Mengdan Zhang, Xu Lin, **Jinrui Yang**, Xiawu Zheng, Ke Li, Xing Sun, Yunsheng Wu, Rongrong Ji. MME: A Comprehensive Evaluation Benchmark for Multimodal Large Language Models. **arXiv 2023**.
6. Yuqiao Xian, **Jinrui Yang**, Fufu Yu, Jun Zhang, Xing Sun. Graph-Based Self-Learning for Robust Person Re-identification. **WACV 2023**.
7. Jiaming Zhou, Junwei Liang, Kun-Yu Lin, **Jinrui Yang**, Wei-Shi Zheng. ActionHub: A Large-scale Action Video Description Dataset for Zero-shot Action Recognition. **In submission**.

ACADEMIC ACTIVITIES

Journal Reviewer: TIP, TCSVT, TMM

Conference Reviewer: ICML2024, CVPR 2024, WACV 2023.

Teaching Assistant: CSE 144 - Applied Machine Learning: Deep Learning, Winter 2024. CSE290D - Neural Computation, Fall 2025.

HONORS & AWARDS

Four-Star Distinguished Staff, Youtu Lab, Tencent

2021

National Scholarship,by Minister of Education of China (**top 1%**)

2020