

Henry Hengyuan Zhao

+65-9135-0337 | hengyuan.z@u.nus.edu | <https://zhaohengyuan1.github.io/>

 Google Scholar |  zhaohengyuan1 |  LinkedIn

Singapore

SELF INTRODUCTION

I am generally interested in multimodal reasoning and Human-AI Interaction. Recently, I am excited about building intelligent AI systems to solve real-world problems and exploring the potential role of current AI models.

EDUCATION

- **National University of Singapore** 2022 - 2026
Ph.D., Electrical Computer Engineering Singapore
- **Nanjing University of Posts and Telecommunications** 2016 - 2020
B.S., Communication Engineering China

EXPERIENCE

- **Sea AI Lab** June 2023 - March 2024
Research Intern Singapore
- **Alibaba DAMO Academy** Dec. 2021 - March 2023
Research Intern Singapore
- **MIG, SenseTime Inc** June 2021 - October 2021
Research Intern China
- **Vision Technology (VIS), Baidu Inc** Dec. 2020 - June 2021
Research Intern China
- **Shenzhen Institutes of Advanced Technology (SIAT), CAS** Sep. 2019 - Dec. 2021
Research Intern China

PUBLICATIONS

- **Henry Hengyuan Zhao**, Wenqi Pei, Yifei Tao, Mike Zheng Shou, "InterFeedback: Unveiling Interactive Intelligence of Large Multimodal Models via Human Feedback", **Under review of ACL 2025**.
- **Henry Hengyuan Zhao**, Difei Gao, and Mike Zheng Shou, "WorldGUI: Dynamic Testing for Comprehensive Desktop GUI Automation", **Under Review of ICML 2025**.
- **Henry Hengyuan Zhao**, Pan Zhou, Difei Gao, Zechen Bai, Mike Zheng Shou, "LOVA³: Learning to Visual Question Answering, Asking and Assessment", **NeurIPS, 2024**.
- **Henry Hengyuan Zhao**, Pan Zhou, Mike Zheng Shou, "Genixer: Empowering Multimodal Large Language Model as a Powerful Data Generator", **ECCV, 2024**.
- **Henry Hengyuan Zhao**, Pichao Wang, Yuyang Zhao, Hao Luo, Fan Wang, Mike Zheng Shou, "SCT: A Simple Baseline for Parameter-Efficient Fine-Tuning via Salient Channels", **IJCV, 2023**.
- **Henry Hengyuan Zhao**, Hao Luo, Yuyang Zhao, Pichao Wang, Fan Wang, Mike Zheng Shou, "Revisit Parameter-Efficient Transfer Learning: A Two-Stage Paradigm", **Arxiv, 2023**.
- Yihao Liu, **Hengyuan Zhao**, Jinjin Gu, Yu Qiao, Chao Dong, "Evaluating the Generalization Ability of Super-resolution Networks", **TPAMI, 2023**.
- Yihao Liu*, **Hengyuan Zhao***, Kelvin CK Chan, Xintao Wang, Chen Change Loy, Yu Qiao and Chao Dong, "Temporally Consistent Video Colorization with Deep Feature Propagation and Self-regularization Learning", **CVM, 2023**.
- Xiangtao Kong, **Hengyuan Zhao**, Qiao Yu and Chao Dong, "ClassSR: A General Framework to Accelerate Super-Resolution Networks by Data Characteristic", *IEEE Conference on Computer Vision and Pattern Recognition, CVPR, 2021*.
- **Hengyuan Zhao**, Xiangtao Kong, Jingwen He, Yu Qiao and Chao Dong, "Efficient Image Super-Resolution using Pixel Attention", *European Conference on Computer Vision Workshop (ECCV Workshop, 2020)*.
- **Hengyuan Zhao**, Wenze Shao, Bingkun Bao and Haibo Li, "A Simple and Robust Deep Convolutional Approach to Blind Image Denoising", *International Conference on Computer Vision Workshop (ICCV Workshop, 2019)*.
- **Hengyuan Zhao***, Wenhao Wu*, Yihao Liu*, Dongliang He, "Color2Embed: Fast Exemplar-Based Image Colorization using Color Embeddings", **Arxiv, 2021**.