Hui Zhang

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EDUCATION

▶ **Fudan University, Shanghai, China** Sept. 2021 – Jul. 2026 (expected)
Ph.D. in Computer Science and Technology
Advisor: **Prof. Zuxuan Wu** and **Prof. Yu-Gang Jiang**
Research: **Image Generation**, Video Generation, Vision-Language Models, Anomaly Detection.

RESEARCH EXPERIENCE

▶ **Huawei**, Central Media Technology Institute, Research Intern Mar. 2022 - Mar. 2023
Project: Anomaly Detection

▶ **ByteDance**, Intelligent Creation, Research Intern Jan. 2024 - Jul.2025
Project: Efficient and Controllable Image Generation

SELECTED PUBLICATIONS

CreatiDesign: A Unified Multi-Conditional Diffusion Transformer for Creative Graphic Design. [pdf] [code]
Hui Zhang, Dexiang Hong, Maoke Yang, Yutao Cheng, Zhao Zhang, Jie Shao, Xinglong Wu, Zuxuan Wu, Yu-Gang Jiang
In Submission.

CreatiLayout: Siamese Multimodal Diffusion Transformer for Creative Layout-to-Image Generation. [pdf] [code]
Hui Zhang, Dexiang Hong, Tingwei Gao, Yiyong Wang, Jie Shao, Xinglong Wu, Zuxuan Wu, Yu-Gang Jiang
International Conference on Computer Vision (**ICCV**), 2025.

BlockDance: Reuse Structurally Similar Spatio-Temporal Features to Accelerate Diffusion Transformers.
Hui Zhang, Tingwei Gao, Jie Shao, Zuxuan Wu.
Conference on Computer Vision and Pattern Recognition (**CVPR**), 2025.

AdaDiff: Adaptive Step Selection for Fast Diffusion Models. [pdf]
Hui Zhang, Zuxuan Wu, Zhen Xing, Jie Shao, Yu-Gang Jiang.
Association for the Advancement of Artificial Intelligence Conference (**AAAI**), 2025.

DiffusionAD: Norm-guided One-step Denoising Diffusion for Anomaly Detection. [pdf] [code]
Hui Zhang, Zheng Wang, Zuxuan Wu, Yu-Gang Jiang.
IEEE Transactions on Pattern Analysis and Machine Intelligence,(**TPAMI**),2025.

Prototypical Residual Networks for Anomaly Detection and Localization. [pdf]
Hui Zhang, Zuxuan Wu, Zheng Wang, Zhineng Chen, Yu-Gang Jiang.
Conference on Computer Vision and Pattern Recognition (**CVPR**), 2023.

Seg2Any: Open-set Segmentation Mask-to-Image Generation with Precise Shape and Semantic Control.
Danfeng Li, **Hui Zhang**, Sheng Wang, Jiacheng Li, Zuxuan Wu
In Submission.

MagicMotion: Controllable Video Generation with Dense-to-Sparse Trajectory Guidance.
Quanhao Li, Zhen Xing, Rui Wang, **Hui Zhang**, Qi Dai, Zuxuan Wu
International Conference on Computer Vision (ICCV), 2025.

AWARDS AND HONORS

- First Class Award Scholarship, Fudan University (Top 10%) Dec. 2023
- Excellent Academic Scholarship, Fudan University (Top 5%) Dec. 2022
- Perfect Score (150/150) in Mathematics, Nationwide Master's Program Unified Admissions Examination (Top 0.1%) Mar. 2021
- National Scholarship of China (Top 1%) Dec. 2019
- Second Prizes, 15th 'BoChuang Cup' National Students Embedded Design Contest (Top 3%) Jul. 2019
- Second Prizes, 10th "Blue Bridge Cup" National C/C++ Programming Contest (Top 2%) May. 2019

SKILLS

- **Programming Languages** Python, C/C++
- **Tools** Pytorch, Git, LaTeX

ACADEMIC SERVICES

- Reviewer: CVPR, ICCV, ECCV, NeurIPS, ICML, ICLR.
- Teaching Assistant: Artificial Intelligence at Fudan University