

Hui Zhang

<https://huizhang0812.github.io/>

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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.
- ▶ **Jiangsu University of Science and Technology, Jiangsu, China** Sept. 2016 - Jul. 2020
B.S. in Computer Science and Technology
GPA: 4.2/5.0 (Top 1%)

RESEARCH EXPERIENCE

- ▶ **Huawei**, Central Media Technology Institute, Research Intern Mar. 2022 - Mar. 2023
Mentor: Yang Hu
Project: Anomaly Detection
- ▶ **ByteDance**, Intelligent Creation, Research Intern Jan. 2024 - Present
Mentor: Jie Shao
Project: Efficient and Controllable Image Generation

SELECTED PUBLICATIONS

- 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
In Submission.
- 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.
In Submission.
- 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.

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
- ▶ Outstanding graduates of Jiangsu University of Science and Technology (Top 5%) Jun. 2020
- ▶ 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