

# HAONING WU

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## EDUCATION

**Shanghai Jiao Tong University (SJTU)**, Shanghai, China 2022 – Present

*PhD candidate* in Electronics Engineering (EE)

Advisors: Prof. Weidi Xie, Prof. Ya Zhang

**Shanghai Jiao Tong University (SJTU)**, Shanghai, China 2018 – 2022

*B.S. in Information Engineering*, IEEE honour class

## INTERNSHIPS

**Shanghai AI Laboratory**, Shanghai, China 2024.4 – Present

*Research intern* in GenAI & AI4Medicine

Mentors: Prof. Weidi Xie, Prof. Ya Zhang

## RESEARCH INTERESTS

- Computer Vision, Generative Models, AI4Medicine, AI4Sports.

## PREPRINTS

- **Haoning Wu\***, Ziheng Zhao\*, Ya Zhang, Weidi Xie, Yanfeng Wang. *MRGen: Diffusion-based Controllable Data Engine for MRI Segmentation towards Unannotated Modalities*, arXiv preprint 2024.
- Jiayuan Rao\*, **Haoning Wu\***, Hao Jiang, Ya Zhang, Yanfeng Wang, Weidi Xie. *Towards Universal Soccer Video Understanding*, arXiv preprint 2024.

## PUBLICATIONS

- **Haoning Wu\***, Shaocheng Shen\*, Qiang Hu, Xiaoyun Zhang, Ya Zhang, Yanfeng Wang. *MegaFusion: Extend Diffusion Models towards Higher-resolution Image Generation without Further Tuning*, WACV 2025.
- Jiayuan Rao\*, **Haoning Wu\***, Chang Liu, Yanfeng Wang, Weidi Xie. *MatchTime: Towards Automatic Soccer Game Commentary Generation*, EMNLP 2024. **(Oral)**
- Chang Liu\*, **Haoning Wu\***, Yujie Zhong, Xiaoyun Zhang, Yanfeng Wang, Weidi Xie. *Intelligent Grimm - Open-ended Visual Storytelling via Latent Diffusion Models*, CVPR 2024.
- Qiuwen Wang, Shuai Guo, **Haoning Wu**, Rong Xie, Wenjun Zhang. *NeRF-SDP: Efficient Generalizable Neural Radiance Field with Scene Depth Perception*, ACM Multimedia Asia, 2023. **(Oral)**
- **Haoning Wu**, Xiaoyun Zhang, Weidi Xie, Ya Zhang, Yanfeng Wang. *Boost Video Frame Interpolation via Motion Adaptation*, BMVC 2023. **(Oral)**
- Baisong Guo\*, Xiaoyun Zhang\*, **Haoning Wu**, Yu Wang, Ya Zhang, Yanfeng Wang. *LAR-SR: A Local Autoregressive Model for Image Super-Resolution*, CVPR 2022.

## SERVICES

### Conference Paper Reviewer & Program Committee

- Computer Vision and Pattern Recognition (CVPR) 2023, 2024, 2025
- International Conference on Computer Vision (ICCV) 2023
- European Conference on Computer Vision (ECCV) 2024
- ACM Multimedia (ACM MM) 2024
- British Machine Vision Conference (BMVC) 2024
- AAAI Conference on Artificial Intelligence (AAAI) 2025

## Teaching Assistant

- EE208: Introduction to Electrical Engineering C, SJTU

Fall, 2022-2023

## Others

- Cluster Server Administrator of MediaBrainGroup@SJTU

2023-2024

## HONORS AND AWARDS

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|---|------|
| • <b>BMVC 2024 Outstanding Reviewer</b> | 2024 |
| • <b>China National Scholarship</b>     | 2021 |
| • SJTU School Scholarship B Prize       | 2021 |
| • SJTU School Scholarship C Prize       | 2020 |

## SKILLS

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- Python, PyTorch, TensorFlow, C/C++, Linux

## MISCELLANEOUS

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- HomePage: <https://haoningwu3639.github.io>
- GitHub: <https://github.com/haoningwu3639>
- Languages: English - Fluent, Mandarin - Native speaker