

# HAONING WU

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## EDUCATION

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**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 Pilot Class*

## INTERNSHIPS

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

*Research intern* in GenAI & 3D Vision & AI4Science

Mentors: Prof. Weidi Xie, Prof. Ya Zhang

## RESEARCH INTERESTS

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- Multi-modal Learning, Generative Models, Spatial Intelligence, AI4Sports, AI4Science.

## PREPRINTS

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- Yanxu Meng\*, **Haoning Wu\***, Ya Zhang, Weidi Xie. *SceneGen: Single-Image 3D Scene Generation in One Feedforward Pass*, arXiv preprint 2025.
- **Haoning Wu\***, Xiao Huang\*, Yaohui Chen, Ya Zhang, Yanfeng Wang, Weidi Xie. *SpatialScore: Towards Unified Evaluation for Multimodal Spatial Understanding*, arXiv preprint 2025.

## PUBLICATIONS

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- Jiayuan Rao\*, Zifeng Li\*, **Haoning Wu**, Hao Jiang, Ya Zhang, Yanfeng Wang, Weidi Xie. *Multi-Agent System for Comprehensive Soccer Understanding*, ACM Multimedia 2025.
- **Haoning Wu\***, Ziheng Zhao\*, Ya Zhang, Yanfeng Wang, Weidi Xie. *MRGen: Segmentation Data Engine for Underrepresented MRI Modalities*, ICCV 2025.
- Jiayuan Rao\*, **Haoning Wu\***, Hao Jiang, Ya Zhang, Yanfeng Wang, Weidi Xie. *Towards Universal Soccer Video Understanding*, CVPR 2025.
- **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

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### Conference Paper Reviewer & Program Committee

- Computer Vision and Pattern Recognition (CVPR) 2023, 2024, 2025, 2026

- International Conference on Computer Vision (ICCV) 2023, 2025
- European Conference on Computer Vision (ECCV) 2024
- ACM Multimedia (ACM MM) 2024, 2025
- British Machine Vision Conference (BMVC) 2024, 2025
- Conference on Neural Information Processing Systems (NeurIPS) 2025
- AAAI Conference on Artificial Intelligence (AAAI) 2025, 2026
- Winter Conference on Applications of Computer Vision (WACV) 2026
- International Conference on 3D Vision (3DV) 2026

### Teaching Assistant

- EE208: Introduction to Electrical Engineering C, SJTU Fall, 2022-2024

### Others

- Cluster Server Administrator of MediaBrainGroup@SJTU 2023-2025

### HONORS AND AWARDS

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- **BMVC 2024 Outstanding Reviewer** 2024
- **China National Scholarship** (for Undergraduates) 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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- Google Scholar: <https://scholar.google.com/citations?user=ia4M9mMAAAAJ>
- HomePage: <https://haoningwu3639.github.io>
- GitHub: <https://github.com/haoningwu3639>
- Languages: English - Fluent, Mandarin - Native speaker