



**Sen Wang**  
Ph.D. Candidate, IAIR  
Xi'an Jiaotong University  
🌐 Homepage

📖 Blogs   🌐 GitHub  
🎓 Google Scholar  
📞 +86 13866892135  
✉ sen.wang@stu.xjtu.edu.cn

## EDUCATION

- **Xi'an Jiaotong University** Sept. 2023 – Present  
*Ph.D. Candidate in Artificial Intelligence and Robotics* Xi'an, China  
– Supervisor: Prof. Le Wang
- **Jilin University** Sept. 2019 – Jun. 2023  
*Bachelor of Control Science and Engineering* Jilin, China  
– GPA: 3.76/4.0 | Supervisor: Prof. Yan Ma

## PUBLICATIONS AND PREPARATION

- **SAMPO: Scale-wise Autoregression with Motion Prompt for Generative World Models**  
S. Wang, L. Wang, S. Zhou, J. Tian, J. Li, H. Dong, G. Hua, W. Tang. NeurIPS 2025
- **Grounding Flow Matching Policy with Region-Aware Mamba Framework for Robotic Manipulation**  
S. Wang, L. Wang, S. Zhou, J. Tian, J. Li, H. Sun, W. Tang. CVPR 2025
- **TriFlow: Scalable Video Generation with Latent Triplane Flow Matching**  
S. Wang, S. Zhou, H. Dong, K. Xia, G. Hua, L. Wang ICML 2026 (Under Rev.)
- **Efficient Camera Pose Augmentation for Viewpoint Generalization in Robotic Policy Learning**  
S. Wang, H. Dong, J. Tian, J. Li, T. Cao, A. Chen, S. Wu, S. Zhou, L. Wang CVPR 2026 (Under Rev.)
- **Integrating Agglomerative Perception with One-step Action Generation for Robotic Manipulation**  
S. Wang, L. Wang, H. Huo, S. Zhou, K. Xia, G. Hua. TPAMI (Under Rev.)
- **DynaRend: Learning 3D Dynamics via Masked Future Rendering for Robotic Manipulation**  
J. Tian, L. Wang, S. Zhou, S. Wang, J. Li, G. Hua. NeurIPS 2025
- **PDFactor: Learning Tri-Perspective View Policy Diffusion Field for Multi-Task Robotic Manipulation**  
J. Tian, L. Wang, S. Zhou, S. Wang, J. Li, H. Sun, W. Tang. CVPR 2025
- **HiM-Bot: Enhancing Dual-Process Vision-Language-Action Model with Hierarchical Memory**  
J. Li, L. Wang, S. Zhou, J. Tian, S. Wang, G. Hua, W. Tang. Under Rev.
- **RAPA: Reason-Aware Visual Policy with Preference Alignment for Zero-shot Navigation**  
H. Dong, L. Wang, S. Zhou, S. Wang, J. Tian, K. Xia. Under Rev.

## HONORS AND AWARDS

- **Academic Scholarship** Xi'an Jiaotong University 2025, 2024
- **Runner-up** 5th Embodied AI Workshop (EAI) 2024
- **Freshman Scholarship** Xi'an Jiaotong University 2023
- **Outstanding Graduates Student** Jilin University 2023
- **National Encouragement Scholarship** MOE of PRC 2022, 2021

## INTERNSHIPS

- **Huawei Noah's Ark Lab, Research Intern** May 2025 – Jan. 2026  
– Proposed **GenSplat**, a feed-forward 3D Gaussian Splatting framework that synthesizes geometrically consistent novel views from sparse, uncalibrated images to significantly enhance the viewpoint robustness of robotic policies.

## PATENTS

- 一种机器人动作生成方法及相关装置 Issued Nov. 2025  
L. Wang, S. Wang, S. Zhou, K. Xia. (CN Patent ZL 2025 1 0284999.5)

## TECHNICAL SKILLS

**Languages:** English (CET-6: 536), Mandarin Chinese  
**Technologies:** Python, Pytorch, C, MATLAB  
**Hobbies:** Fitness Enthusiast, Music Lover