



Sen Wang
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EDUCATION

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

PUBLICATIONS AND PREPARATION

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

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