Sen Wang

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EDUCATION

Xi'an Jiaotong University   Sept. 2023 – Present

Ph.D. Candidate of Institute of Artificial Intelligence and Robotics, supervised by Prof. Le Wang

Jilin University   Sept. 2019 – Jun. 2023

Bachelor of Control Science and Engineering, supervised by Prof. Yan Ma | GPA: 3.76/4.0

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

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 AND PROJECTS

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)*

SKILLS

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