

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

HONORS AND AWARDS

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

SELECTED PUBLICATIONS

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 (Accepted)

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 (Accepted)

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. Under Review at NeurIPS 2025

DynaRend: Learning 3D Dynamics via Masked Future Rendering for Robotic Manipulation.

J. Tian, L. Wang, S. Zhou, **S. Wang**, J. Li, G. Hua. Under Review at NeurIPS 2025

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 Review at AAAI 2026

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 Review at AAAI 2026

SKILLS

Hobbies: Fitness Enthusiast, Music Lover

Languages: English (CET-6: 536), Mandarin Chinese

Technologies: Python, Pytorch, MATLAB