

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, MOE of PRC	2021, 2022

SELECTED PUBLICATIONS

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'25 (Under Rev.)

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

DynaRend: Learning 3D Dynamics via Masked Future Rendering for Robotic Manipulation.
J. Tian, L. Wang, S. Zhou, **S. Wang**, J. Li, G. Hua. NeurIPS'25 (Under Rev.)

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. AAAI'26 (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. AAAI'26 (Under Rev.)

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

SKILLS

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