

Huayi Wang

✉ why618188@sjtu.edu.cn | 🏠 why618188.github.io | 📧 why618188 | 🎓 Huayi Wang

Education

Shanghai Jiao Tong University

B.ENG. IN ARTIFICIAL INTELLIGENCE

• GPA: 3.95/4.3; Rank: 19/99

Shanghai, China

Aug. 2022 - Present

Research Interests

My current research is centered on **Robot Learning and Control**, with a specific focus on Humanoid Locomotion and Whole-Body Control. I am dedicated to developing effective robot learning-based training methods that prioritize agility, robustness, and safety.

Research Experience

Shanghai Jiao Tong University

RESEARCH ASSISTANT AT APEX LAB, ADVISED BY PROF. WEINAN ZHANG

• Research Topics: Reinforcement Learning, LLM Agent.

Shanghai, China

Dec.2023 - Jul.2024

Shanghai Artificial Intelligence Laboratory

INTERN AT OPENROBOT LAB, ADVISED BY DR. JIANGMIAO PANG AND DR. JINGBO WANG

• Research Topics: Robot Learning, Humanoid Locomotion Control, Reinforcement Learning.

Shanghai, China

Aug.2024 - Present

Publications

CONFERENCE PROCEEDINGS

[C3] BeamDojo: Learning Agile Humanoid Locomotion on Sparse Footholds

Huayi Wang, ZiRui Wang, Junli Ren, Qingwei Ben, Tao Huang, Weinan Zhang, Jiangmiao Pang

Robotics: Science and Systems (RSS), 2025 (Oral Presentation) [Paper] [Website]

[C2] Learning Humanoid Standing-up Control across Diverse Postures

Tao Huang, Junli Ren, Huayi Wang, ZiRui Wang, Qingwei Ben, Muning Wen, Xiao Chen, Jianan Li, Jiangmiao Pang

Robotics: Science and Systems (RSS), 2025 (Outstanding Systems Paper Award Finalist - Top 4) [Paper] [Website]

[C1] Diversity-Aware Self-Paced Data Selection for LLM Fine-Tuning

Yingxuan Yang, Huayi Wang, Muning Wen, Xiaoyun Mo, Qiuying Peng, Jun Wang, Weinan Zhang

European Conference on Artificial Intelligence (ECAI), 2025 [Paper]

PREPRINTS

[P1] VB-Com: Learning Vision-Blind Composite Humanoid Locomotion Against Deficient Perception.

Junli Ren, Tao Huang, Huayi Wang, ZiRui Wang, Qingwei Ben, Jiangmiao Pang, Ping Luo

Under Review, 2025 [Paper] [Website]

Honors & Awards

SenseTime Scholarship 30 undergraduate AI researchers nationwide [Link]

2025

Guozhi honor class Top 20% of AI honor class, held by Xiaou Tang. [Link]

2024

SJTU undergraduate C-level scholarship

2023

Outstanding members of the Communist Youth League

2022

Skills

Programming Python, C/C++, LaTeX, JAVA, MATLAB

Frameworks PyTorch, NumPy, Git, Anaconda, ROS, OpenCV, Linux

Languages Mandarin (Native), English