

# ZHENYU WEI

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## EDUCATION

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University of North Carolina at Chapel Hill, USA	Aug. 2025 - Present
<i>Ph.D. in Computer Science</i>	Advisor: Prof. <a href="#">Mingyu Ding</a>
Shanghai Jiao Tong University, China	Sep. 2021 - Jun. 2025
<i>B.Eng. in Computer Science (Zhiyuan Honor Degree)</i>	GPA: 4.0/4.3

## JOURNAL PUBLICATIONS

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- [J2] **RL-100: Performant Robotic Manipulation with Real-World Reinforcement Learning**  
*Kun Lei\*, Huanyu Li\*, Dongjie Yu\*, Zhenyu Wei\*, Lingxiao Guo, Zhennan Jiang, Ziyu Wang, Shiyu Liang, Huazhe Xu*  
**Science Robotics 2026** (5-year IF: 32.9)
- [J1] **Auto-Pairing Positives through Implicit Relation Circulation for Discriminative Self-Learning**  
*Bo Pang, Zhenyu Wei, Jingli Lin, Cewu Lu*  
**TPAMI 2025** (5-year IF: 20.4)

## CONFERENCE PUBLICATIONS

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- [C4] **One Hand to Rule Them All: Canonical Representations for Unified Dexterous Manipulation**  
Zhenyu Wei, Yunchao Yao, Mingyu Ding  
**RSS 2026**
- [C3] **Mixture of Horizons in Action Chunking**  
*Dong Jing, Gang Wang, Jiaqi Liu, Weiliang Tang, Zelong Sun, Yunchao Yao, Zhenyu Wei, Yunhui Liu, Zhiwu Lu, Mingyu Ding*  
**ICML 2026**
- [C2] **MetaFold: Language-Guided Cross-Category Garment Folding Framework via Trajectory Generation and Foundation Model**  
*Haonan Chen\*, Junxiao Li\*, Ruihai Wu, Yiwei Liu, Yiwen Hou, Zhixuan Xu, Jingxiang Guo, Chongkai Gao, Zhenyu Wei, Shensi Xu, Jiaqi Huang, Lin Shao*  
**IROS 2025**
- [C1]  **$D(\mathcal{R}, \mathcal{O})$  Grasp: A Unified Representation for Cross-Embodiment Dexterous Grasping**  
Zhenyu Wei\*, Zhixuan Xu\*, Jingxiang Guo, Yiwen Hou, Chongkai Gao, Zhehao Cai, Jiayu Luo, Lin Shao  
**ICRA 2025 (Best Paper Award on Robot Manipulation and Locomotion)**  
**CoRL 2024 @ MAPoDeL Workshop (Best Robotics Paper Award)**

## PREPRINTS

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- [P3] **Coordinating Body-Hand Priors for Continuous Dexterous Humanoid Loco-Manipulation**  
*Sikai Li, Shuning Li, Zhenyu Wei, Yunchao Yao, Chenran Li, Mingyu Ding*
- [P2] **When Vision Overrides Language: Evaluating and Mitigating Counterfactual Failures in VLAs**  
*Yu Fang, Yuchun Feng, Dong Jing, Jiaqi Liu, Yue Yang, Zhenyu Wei, Daniel Szafir, Mingyu Ding*
- [P1] **TelePreview: A User-Friendly Teleoperation System with Virtual Arm Assistance for Enhanced Effectiveness**  
*Jingxiang Guo\*, Jiayu Luo\*, Zhenyu Wei\*, Yiwen Hou, Zhixuan Xu, Xiaoyi Lin, Chongkai Gao, Lin Shao*  
**ICRA 2025 @ Human-Centric Multilateral Teleoperation Workshop (Best Paper Award)**

## RESEARCH EXPERIENCE

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<b>Genesis AI</b> <i>Research Scientist Intern</i>	May. 2026 - Present Mentor: Dr. <a href="#">Zhenjia Xu</a>
<b>University of North Carolina at Chapel Hill</b> <i>Ph.D. Student</i>	Aug. 2025 - Present Advisor: Prof. <a href="#">Mingyu Ding</a>
<b>Shanghai Qi Zhi Institute · Tsinghua Embodied AI Lab</b> <i>Research Intern</i>	Feb. 2025 - Jul. 2025 Advisor: Prof. <a href="#">Huazhe Xu</a>
<b>National University of Singapore · LinS Lab</b> <i>Research Assistant</i>	Jun. 2024 - Feb. 2025 Advisor: Prof. <a href="#">Lin Shao</a>
<b>Shanghai Jiao Tong University · Machine Vision and Intelligence Group</b> <i>Research Intern</i>	Oct. 2022 - May 2024 Advisor: Prof. <a href="#">Cewu Lu</a>

## SELECTED HONORS

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- **ICRA 2025 Best Paper Award on Robot Manipulation and Locomotion** 2025
- **Best Paper Award, ICRA 2025 @ Human-Centric Multilateral Teleoperation** 2025
- **Zhiyuan Outstanding Scholarship (Top 30 Undergraduates at SJTU)** 2025
- **Shanghai Outstanding Graduate (Top 5% of Graduates at SJTU)** 2025
- **Best Robotics Paper Award, CoRL 2024 @ MAPoDeL** 2024

## MISCELLANEOUS

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<b>Language</b>	Chinese (native), English (TOEFL 104), Japanese (amateur)
<b>Academic Service</b>	Conference Reviewer: CoRL 2026, ICRA 2025 & 2026, IROS 2025 & 2026, CVPR 2026, ICCV 2025, NeurIPS 2026, SIGGRAPH Asia 2026 Journal Reviewer: RA-L 2026, JFR 2025
<b>Programming</b>	Python, C/C++, $\LaTeX$ , Linux, Git, HTML, CSS
<b>Real Robots</b>	xArm6, UR5, Franka, LeapHand, Dex-3, Robotiq 2F-85