ZHENYU WEI

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EDUCATION

University of North Carolina at Chapel Hill, USA — Aug. 2025 - Present
Ph.D. in Computer Science — **Advisor:** Prof. Mingyu Ding

Shanghai Jiao Tong University, China — Sep. 2021 - Jun. 2025
B.Eng. in Computer Science (Zhiyuan Honor Degree) — **GPA:** 4.0/4.3

PUBLICATIONS

[4] **TelePreview: A User-Friendly Teleoperation System with Virtual Arm Assistance for Enhanced Effectiveness** [Web]
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)

[3] **MetaFold: Language-Guided Cross-Category Garment Folding Framework via Trajectory Generation and Foundation Model** [Web]
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 (Oral)

[2] $\mathcal{D}(\mathcal{R}, \mathcal{O})$ **Grasp: A Unified Representation for Cross-Embodiment Dexterous Grasping** [Web]
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)

[1] **Auto-Pairing Positives through Implicit Relation Circulation for Discriminative Self-Learning**
*Bo Pang, **Zhenyu Wei**, Jingli Lin, Cewu Lu*
TPAMI 2025 (IF: 18.6)

RESEARCH EXPERIENCE

Shanghai Qi Zhi Institute · Tsinghua Embodied AI Lab — Feb. 2025 - Jul. 2025
Research Intern — Advisor: Prof. Huazhe Xu
Research Topics: real-world reinforcement learning

National University of Singapore · LinS Lab — Jun. 2024 - Feb. 2025
Research Assistant — Advisor: Prof. Lin Shao
Research Topics: dexterous grasping, robot teleoperation

Shanghai Jiao Tong University · Machine Vision and Intelligence Group — Oct. 2022 - May 2024
Research Intern — Advisor: Prof. Cewu Lu
Research Topics: 2D self-supervised learning

SELECTED HONORS

- **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
- Outstanding Scholarship of Computer Science Alumni Fund (Top 5% in Major) — 2024
- Huawei Scholarship (Top 5% in Major) — 2023
- The Tung Foundation Scholarship (Top 5% in Major) — 2022

- Zhiyuan Honors Scholarship (Top 10% Students at SJTU)   2021 - 2024

MISCELLANEOUS

Language	Chinese (native), English (TOEFL 104), Japanese (amateur)
Academic Service	Conference Reviewer for ICRA 2025, IROS 2025, ICCV 2025
	Journal Reviewer for JFR
Programming	Python, C/C++, LaTeX, Linux, Git, HTML, CSS
Robots	xArm, UR, Franka, LeapHand