

Wentao Zhu

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EDUCATION

Peking University
Ph.D. Student, Computer Science

Beijing, China
2020 - 2025 (Expected)

Peking University
Bachelor of Science, Computer Science and Economics

Beijing, China
2016 - 2020

PREPRINTS

1. W. Zhu, Z. Zhang, and Y. Wang, "Language Models Represent Beliefs of Self and Others," arXiv preprint arXiv:2402.18496.
2. Z. Li, X. Ma, Q. Shang, W. Zhu, H. Ci, Y. Qiao, and Y. Wang, "Efficient Action Counting with Dynamic Queries," arXiv preprint arXiv:2403.01543.
3. S. Ban, J. Fan, W. Zhu, X. Ma, Y. Qiao, and Y. Wang, "Real-time Holistic Robot Pose Estimation with Unknown States," arXiv preprint arXiv: 2402.05655.

PUBLICATIONS

1. Y. Xu, X. Ma, J. Su, W. Zhu, Y. Qiao, and Y. Wang, "ScoreHypo: Probabilistic Human Mesh Estimation with Hypothesis Scoring," CVPR 2024.
2. W. Zhu^{*}, X. Ma^{*}, D. Ro^{*}, H. Ci, J. Zhang, J. Shi, F. Gao, Q. Tian, and Y. Wang, "Human Motion Generation: A Survey," T-PAMI 2023.
3. W. Zhu^{*}, J. Qin^{*}, Y. Lou, H. Ye, X. Ma, H. Ci, and Y. Wang, "Social Motion Prediction with Cognitive Hierarchies," NeurIPS 2023.
4. X. Ma^{*}, S. Kaufhold^{*}, S. Su^{*}, W. Zhu, J. Terwilliger, A. Meza, Y. Zhu, F. Rossano, and Y. Wang, "ChimpACT: A Longitudinal Dataset for Understanding Chimpanzee Behaviors," NeurIPS 2023.
5. W. Zhu, X. Ma, Z. Liu, L. Liu, W. Wu, and Y. Wang, "MotionBERT: A Unified Perspective on Learning Human Motion Representations," ICCV 2023.
6. H. Ci, M. Wu, W. Zhu, X. Ma, H. Dong, F. Zhong, and Y. Wang, "GFPose: Learning 3D Human Pose Prior with Gradient Fields," CVPR 2023.

7. X. Ma, C. Wang, J. Su, W. Zhu, and Y. Wang, "3D Human Mesh Estimation from Virtual Markers," CVPR 2023.
8. H. Ye*, W. Zhu*, C. Wang, R. Wu, and Y. Wang, "Faster VoxelPose: Real-time 3D Human Pose Estimation by Orthographic Projection," ECCV 2022.
9. H. Zhu*, W. Wu*, W. Zhu, L. Jiang, S. Tang, L. Zhang, Z. Liu, and C. C. Loy, "CelebV-HQ: A Large-scale Video Facial Attributes Dataset," ECCV 2022.
10. W. Zhu*, Z. Yang*, Z. Di, W. Wu, Y. Wang, and C. C. Loy, "MoCaNet: Motion Retargeting in-the-wild via Canonicalization Networks," AAAI 2022.
11. Z. Yang*, W. Zhu*, W. Wu, C. Qian, Q. Zhou, B. Zhou, and C. C. Loy, "TransMoMo: Invariance-Driven Unsupervised Video Motion Retargeting," CVPR 2020.

SERVICES

Reviewer / PC Member:

Conference: CVPR, ECCV, ICCV, ICLR, AAAI, NeurIPS, IEEE VR, SIGGRAPH Asia

Journal: TPAMI, TOG, TVCG

Teaching:

Robot Vision and Learning (TA), Peking University	2022
Practice of Programming in C & C++ (TA), Peking University	2021
Career Planning and Leadership Development (TA), Peking University	2020

AWARDS AND HONORS

Top Reviewer, NeurIPS 2023	2023
Ubiquant Scholarship, Peking University	2023
Award for Research Excellence, Peking University	2023
AAAI-22 Scholarship	2022
Grand Prize, Challenge Cup of Peking University	2021
Sino Scholarship, Peking University	2018
WWDC Scholarship, Apple Inc.	2018
Meritorious Winner, COMAP's Interdisciplinary Contest in Modeling	2018

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