WENHAO LI

School of Computer Science, Peking University

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EDUCATION

Final Year Ph.D. Student in Computer Science   2019.09 - 2024.06
Peking University, China, Advisor: Prof. Hong Liu

Bachelor of Engineering in Electrical Engineering and Automation   2015.09 - 2019.06
Ningbo University, China, Rank: 1/63

Visiting Ph.D. Student   2023.07 - 2024.03
University of Trento, Italy, Advisor: Prof. Nicu Sebe

RESEARCH INTEREST

Computer Vision and Deep Learning
3D Human Pose Estimation (3D HPE); Human Mesh Recovery (HMR)

PUBLICATIONS

1. **Wenhao Li**, Hong Liu, Hao Tang, Pichao Wang, Luc Van Gool. MHFormer: Multi-Hypothesis Transformer for 3D Human Pose Estimation. *IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**)*, 2022. (**180+ citations and 480+ stars**)

2. **Wenhao Li**, Hong Liu, Runwei Ding, Mengyuan Liu, Pichao Wang, Wenming Yang. Exploiting Temporal Contexts with Strided Transformer for 3D Human Pose Estimation. *IEEE Transactions on Multimedia (**TMM**)*, 2022. (**160+ citations and 320+ stars**)

3. **Wenhao Li**, Hong Liu, Hao Tang, Pichao Wang. Multi-Hypothesis Representation Learning for Transformer-Based 3D Human Pose Estimation. *Pattern Recognition (**PR**)*, 2023.

4. Yingxuan You, Hong Liu, Ti Wang, **Wenhao Li**, Runwei Ding, Xia Li. Co-Evolution of Pose and Mesh for 3D Human Body Estimation from Video. *IEEE International Conference on Computer Vision (**ICCV**)*, 2023.

5. Jianbing Wu, Hong Liu, Wei Shi, Mengyuan Liu, **Wenhao Li**. Style-Agnostic Representation Learning for Visible-Infrared Person Re-identification. *IEEE Transactions on Multimedia (**TMM**)*, 2023.

6. Guoliang Hua*, Hong Liu, **Wenhao Li***, Qian Zhang, Runwei Ding, Xin Xu. Weakly-supervised 3D Human Pose Estimation with Cross-view U-shaped Graph Convolutional Network. *IEEE Transactions on Multimedia (**TMM**)*, 2022.

7. Jialun Cai, Hong Liu, Runwei Ding, **Wenhao Li**, Jianbing Wu, Miaoju Ban. HTNet: Human Topology Aware Network for 3D Human Pose Estimation. *IEEE International Conference on Acoustics, Speech, and Signal Processing (**ICASSP**)*, 2023.

8. Yingxuan You, Hong Liu, Xia Li, **Wenhao Li**, Ti Wang, Runwei Ding. GATOR: Graph-Aware Transformer with Motion-Disentangled Regression for Human Mesh Recovery from a 2D Pose. *IEEE International Conference on Acoustics, Speech, and Signal Processing (**ICASSP**)*, 2023.

9. Ti Wang, Hong Liu, Runwei Ding, **Wenhao Li**, Yingxuan You, Xia Li. Interweaved Graph and Attention Network for 3D Human Pose Estimation. *IEEE International Conference on Acoustics, Speech, and Signal Processing (**ICASSP**)*, 2023.

OPEN SOURCE

Codes and models for my published papers are available on my GitHub:

– https://github.com/Vegetebird/MHFormer (CVPR 2022, **480+ stars**)
– https://github.com/Vegetebird/StridedTransformer-Pose3D (TMM 2022, **320+ stars**)

REVIEW SERVICES

– IEEE Conference on Computer Vision and Pattern Recognition (CVPR)
– IEEE International Conference on Computer Vision (ICCV)
– European Conference on Computer Vision (ECCV)
– International Conference on Learning Representations (ICLR)
– Conference on Neural Information Processing Systems (NeurIPS)
– International Joint Conferences on Artificial Intelligence (IJCAI)
– IEEE Transactions on Image Processing (TIP)
– IEEE Transactions on Multimedia (TMM)
– IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)

AWARDS & HONORS

– National Scholarship (**Top 2%**)	2022
– Merit Student Pacesetter of PKU (**Top 3%**)	2022
– Outstanding Graduates of Zhejiang (**Top 1%**)	2019
– Outstanding Undergraduate Thesis Award (**TOP 5%**)	2019
– President Scholarship (**Top 10, highest school honor**)	2018
– National Scholarship (**Top 1%**)	2017
– National Scholarship (**Top 1%**)	2016
– **Meritorious Winner** in Mathematical Contest in Modeling (MCM)	2018
– **First Prize** in National Undergraduate Electronic Design Contest	2017
– **First Prize** in China Undergraduate Mathematics Competition (CMC)	2016
– **Second Prize** in China Undergraduate Mathematical Contest in Modeling (CUMCM)	2017
– **Second Prize** in China Undergraduate Mathematical Contest in Modeling (CUMCM)	2016
– **First Place** in Zhejiang Undergraduate Electronic Design Contest	2018
– **First Place** in Zhejiang Undergraduate Robot Contest	2017
– **First Prize** in Zhejiang Undergraduate Advanced Mathematics Competition	2016
– **First Prize** in Zhejiang Undergraduate Physics Contest	2016

TECHNICAL SKILLS

Computer Languages	Python, MATLAB, C/C++
Software & Tools	PyTorch, LaTeX