WENHAO LI

School of Computer Science, Peking University

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◇ Homepage ◇ Google Scholar ◇ GitHub

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. (**170+ citations and 470+ 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. (**150+ 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, **470+ 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)
- International Conference on Learning Representations (ICLR)
- Conference on Neural Information Processing Systems (NeurIPS)
- 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