

WENHAO LI

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EDUCATION

Final Year Ph.D. Student in Computer Science Peking University, China, Advisor: Prof. Hong Liu	2019.09 - 2024.06
Bachelor of Engineering in Electrical Engineering and Automation Ningbo University, China, Rank: 1/63	2015.09 - 2019.06
Visiting Ph.D. Student University of Trento, Italy, Advisor: Prof. Nicu Sebe	2023.07 - 2024.03

RESEARCH INTEREST

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

PUBLICATIONS

1. **Wenhao Li**, Mengyuan Liu, Hong Liu, Pichao Wang, Jialun Cai, Nicu Sebe. Hourglass Tokenizer for Efficient Transformer-Based 3D Human Pose Estimation. *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2024.
2. **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. (**230+ Google Scholar Citations and 500+ GitHub Stars**)
3. **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. (**190+ Google Scholar Citations and 330+ GitHub Stars**)
4. **Wenhao Li**, Hong Liu, Hao Tang, Pichao Wang. Multi-Hypothesis Representation Learning for Transformer-Based 3D Human Pose Estimation. *Pattern Recognition (PR)*, 2023.
5. 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.
6. Tianyu Guo, Mengyuan Liu, Hong Liu, Guoquan Wang, **Wenhao Li**. Improving Self-Supervised Action Recognition from Extremely Augmented Skeleton Sequences. *Pattern Recognition (PR)*, 2024.
7. Tao Wang, Mengyuan Liu, Hong Liu, **Wenhao Li**, Miaoju Ban, Tuanyu Guo, Yidi Li. Feature Completion Transformer for Occluded Person Re-identification. *IEEE Transactions on Multimedia (TMM)*, 2024.
8. 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.
9. 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.

10. 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.
11. 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.
12. 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 GitHub:

- <https://github.com/Vegetebird/MHFormer> (CVPR 2022, **500+ Stars**)
- <https://github.com/Vegetebird/StridedTransformer-Pose3D> (TMM 2022, **330+ Stars**)
- <https://github.com/NationalGAILab/HoT> (CVPR 2024)

REVIEW SERVICES

- Conference: CVPR, ICCV, ECCV, ICLR, NeurIPS, IJCAI
- Journal: TIP, TMM, TCSVT

AWARDS & HONORS

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|---|------|
| – 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