

# WENHAO LI

School of Computer Science, Peking University

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✦ 🏠 Homepage ✦ 📄 Google Scholar ✦ 🐙 GitHub



*I am looking for a postdoc position after June*

## ★ RESEARCH INTEREST

### Computer Vision and Deep Learning

3D Human Pose and Shape Estimation in images/videos

## 🎓 EDUCATION

### Fifth-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

## 📖 PUBLICATIONS

1. **Wenhao Li**, Hong Liu, Hao Tang, Pichao Wang, and Luc Van Gool. MHFormer: Multi-Hypothesis Transformer for 3D Human Pose Estimation. *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2022. (**150+ citations and 450+ stars**)
2. **Wenhao Li**, Hong Liu, Runwei Ding, Mengyuan Liu, Pichao Wang, and Wenming Yang. Exploiting Temporal Contexts with Strided Transformer for 3D Human Pose Estimation. *IEEE Transactions on Multimedia (TMM)*, 2022. (**140+ citations and 310+ stars**)
3. **Wenhao Li**, Hong Liu, Hao Tang, and 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, and 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, and 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, and 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, and 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, and 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

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Codes and models for my published papers are available on my  [GitHub](#):

- <https://github.com/Vegetebird/MHFormer> (CVPR 2022, **450+ stars**)
- <https://github.com/Vegetebird/StridedTransformer-Pose3D> (TMM 2022, **310+ stars**)

## REVIEW SERVICES

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- 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

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

## TECHNICAL SKILLS

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