

WENHAO LI

School of Computer Science, Peking University

◇ Email: wenhaoli@pku.edu.cn ◇ Homepage: <https://vegetebird.github.io/>

◇ Phone: +86 15919445058 ◇ Birth: 1996, Zhejiang

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

2019.08 - Present

Peking University, China, Advisor: Prof. Hong Liu

Bachelor of Engineering in Electrical Engineering and Automation

2015.08 - 2019.06

Ningbo University, China, Rank: 1/63

Visiting Scholar

2023.07 - Present

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.
2. **Wenhao Li**, Hong Liu, Hao Tang, and Pichao Wang. Multi-Hypothesis Representation Learning for Transformer-Based 3D Human Pose Estimation. *Pattern Recognition (PR)*, 2023.
3. **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.
4. 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.
5. 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.
6. 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.
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

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

- <https://github.com/Vegetebird/MHFormer> (**400+** stars)
- <https://github.com/Vegetebird/StridedTransformer-Pose3D> (**300+** 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 Chinese 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

李文豪

北京大学，计算机学院

✉ wenhaoli@pku.edu.com 🏠 <https://vegetebird.github.io/>

☎ +86 15919445058 🗓 1996, 浙江

📍 研究方向

深度学习、计算机视觉、基于图像或视频的三维人体姿态与形态估计

🎓 教育背景

北京大学 2019.08 – 至今

博士研究生五年级在读 计算机应用技术，导师：刘宏教授

宁波大学 2015.08 – 2019.06

学士 自动化（阳明创新班），排名：1/63

University of Trento 2023.07 – 至今

访问学者，导师：Prof. Nicu Sebe

📄 论文发表

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.
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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.

📄 开源代码

发表论文的代码和模型开源在[我的 GitHub](#):

- <https://github.com/Vegetebird/MHFormer> (400+ stars)
- <https://github.com/Vegetebird/StridedTransformer-Pose3D> (300+ stars)

📖 审稿人

- 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)

🏆 奖项与荣誉

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|------------------------|------|
| – 国家奖学金 (2%) | 2022 |
| – 北京大学三好学生标兵 (3%) | 2022 |
| – 浙江省优秀毕业生 (1%) | 2019 |
| – 优秀本科论文奖 (5%) | 2019 |
| – 校长奖学金 (10 人, 学校最高荣誉) | 2018 |
| – 国家奖学金 (1%) | 2017 |
| – 国家奖学金 (1%) | 2016 |
| – 美国大学生数学建模竞赛国际一等奖 | 2018 |
| – 全国大学生电子设计竞赛国家一等奖 | 2017 |
| – 全国大学生数学竞赛国家一等奖 | 2016 |
| – 全国大学生数学建模竞赛国家二等奖 | 2017 |
| – 全国大学生数学建模竞赛国家二等奖 | 2016 |
| – 浙江省大学生电子设计竞赛一等奖 | 2018 |
| – 浙江省大学生机器人竞赛一等奖 (冠军) | 2017 |
| – 浙江省大学生高等数学竞赛一等奖 | 2016 |
| – 浙江省大学生物理创新竞赛一等奖 | 2016 |

⚙️ 技能

编程语言	Python, MATLAB, C/C++
软件工具	PyTorch, LaTeX