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

Fourth-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

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⌗ 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

博士研究生四年级在读 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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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.

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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

– 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