# WENHAO LI

School of Computer Science, Peking University

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⋄ 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 - Present
Peking University, China, Advisor: Prof. Hong Liu

**Bachelor of Engineering in Electrical Engineering and Automation**        2015 - 2019
Ningbo University, China, Rank: 1/63

## PUBLICATIONS

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

2. **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: 13147-13156.

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. Jialun Cai, Hong Liu, Runwei Ding, **Wenhao Li**, Jianbing Wu, and Miaoju Ban. HTNet: Human Topology Aware Network for 3D Human Pose Estimation. IEEE Conference on Acoustics, Speech, and Signal Processing (**ICASSP**), 2023.

6. 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 Conference on Acoustics, Speech, and Signal Processing (**ICASSP**), 2023.

7. Ti Wang, Hong Liu, Runwei Ding, **Wenhao Li**, Yingxuan You, and Xia Li. Interweaved Graph and Attention Network for 3D Human Pose Estimation. IEEE 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)
- 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

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|---|---|
| **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 – 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 – 2019
学士 自动化（阳明创新班），排名：1/63

## 📖 论文发表

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

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5. Jialun Cai, Hong Liu, Runwei Ding, **Wenhao Li**, Jianbing Wu, and Miaoju Ban. HTNet: Human Topology Aware Network for 3D Human Pose Estimation. IEEE Conference on Acoustics, Speech, and Signal Processing (**ICASSP**), 2023.

6. 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 Conference on Acoustics, Speech, and Signal Processing (**ICASSP**), 2023.

7. Ti Wang, Hong Liu, Runwei Ding, **Wenhao Li**, Yingxuan You, and Xia Li. Interweaved Graph and Attention Network for 3D Human Pose Estimation. IEEE 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)
- 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

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