Ti Wang

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★ RESEARCH INTEREST

- Computer Vision and Deep Learning.
- Digital Humans, 3D Human Pose and Mesh Estimation.

🎓 EDUCATION

University of Trento (UniTn)   *Italy*
Visiting student of MHUG, Advisor: Prof. Nicu Sebe   2023.07 – 2023.09

Peking University (PKU)   *China*
Third-Year Master Student in Computer Science. Advisor: Prof. Hong Liu   2021.09 – 2024.06
Research Topics: 3D Human Pose and Shape Estimation, Action Recognition.   GPA: 3.75 / 4.0

Nanjing University of Science and Technology (NJUST)   *China*
Bachelor of Computer Science. GPA: 3.73 / 4.0 (Top 3%)   2017.09 – 2021.06

📄 PUBLICATION

- **Interweaved Graph and Attention Network for 3D Human Pose Estimation**
  Ti Wang, Hong Liu, Runwei Ding, Wenhao Li, Yingxuan You, Xia Li.
  *IEEE International Conference on Acoustics, Speech and Signal Processing (**ICASSP**)*, 2023.

- **Co-Evolution of Pose and Mesh for 3D Human Body Estimation from Video**
  Yingxuan You, Hong Liu, **Ti Wang**, Wenhao Li, Runwei Ding, Xia Li.
  *IEEE International Conference on Computer Vision (**ICCV**)*, 2023.   🌐 Project Page

- **GATOR: Graph-Aware Transformer with Motion-Disentangled Regression for Human Mesh Recovery from a 2D Pose**
  Yingxuan You, Hong Liu, Xia Li, Wenhao Li, **Ti Wang**, Runwei Ding.
  *IEEE International Conference on Acoustics, Speech and Signal Processing (**ICASSP**)*, 2023.

- **Self-Supervised 3D Skeleton Representation Learning with Active Sampling and Adaptive Relabeling for Action Recognition**
  Guoquan Wang, Hong Liu, Tianyu Guo, Jingwen Guo, **Ti Wang**, Yidi Li.
  *IEEE International Conference on Image Processing (**ICIP**)*, 2023.

- **Object goal visual navigation using Semantic Spatial Relationships**
  Jingwen Guo, Zhisheng Lu, **Ti Wang**, Weibo Huang, and Hong Liu.
  *CAAI International Conference on Artificial Intelligence (**CICAI**)*, 2021.

📎 INVENTION PATENT

- **A 3D Human Pose Estimation Method Based on Interweaved Graph and Attention Network.**
  Hong Liu, **Ti Wang**, Wenhao Li, Yingxuan You, Runwei Ding.

Invention patent, Published Application Number: CN116129051A, 2023.

🏆 Competition

- **The Finalist Aword** in Mathematical Contest in Modeling.   2020
- **First Prize** in Mathematics China Mathematical Modeling Network Challenge of Certification Cup. 2020
- **First Prize** in China Undergraduate Mathematical Contest in Modeling, Jiangsu Division.   2019
- **First Prize** in Advanced Mathematics Competition of Jiangsu Province.   2018

✹ Awards and Honors

- The Academic Excellence Award, *Peking University*   2022
- Outstanding Graduate, *NJUST*   2021
- The Dean's Medal of the Computer Science Department, *NJUST*   2021
- The First Prize Scholarship, *NJUST* (**Top 5%**)   2019-2021
- The Special Prize Scholarship, *NJUST* (**Top 1%**)   2018
- The Excellent Athlete, *NJUST*   2019
- The Merit Student, *NJUST*   2017-2020

⚙ Skills

- **Programming**: Python, Pytorch, C/C++, MATLAB, LaTeX.
- **Language**: Mandarin (Native), English.
- **Operating System**: Windows, Linux.
- **Hobbies**: Running, Half Marathon, Hiking, Swimming.

🖥 Open Source

Codes for my published papers are available here:

- (ICASSP 2023) IGANet: https://github.com/xiu-cs/IGANet
- (ICCV 2023) PMCE: https://github.com/kasvii/PMCE
- (ICASSP 2023) GATOR: https://github.com/kasvii/GATOR