# Jing Lin

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CONTACT INFORMATION

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RESEARCH INTERESTS

3D Human Mesh Recovery,
Human Motion Generation,
Video Restoration,
Snapshot Compressive Imaging

EDUCATION

**Tsinghua University**, China — Oct 2021 – Jun 2024

Master, GPA: 3.83/4.0,
Academy: Shenzhen International Graduate School,
Major: Electronic Information, Advisor: Haoqian Wang

**Harbin Institute of Technology (Shenzhen)**, China — Oct 2017 – Jun 2021

Bachelor, GPA: 91.294/100,
Academy: School of Mechanical Engineering and Automation
Major: Department of Automation

SELECTED PUBLICATIONS

I have published 10 papers including 2×ICML, 3×CVPR, 1×ECCV, 1×NeurIPS. Please refer to my Google Scholar (351 citations) for my full publication list. My GitHub repositories have earned 10.7K stars in total.

1. **Jing Lin***[1], Ailing Zeng*, Shunlin Lu*, Yuanhao Cai, Ruimao Zhang, Haoqian Wang, Lei Zhang, "Motion-X: A Large-scale 3D Expressive Whole-body Human Motion Dataset ", *Under Review* [Code] [star: 195]

2. **Jing Lin**, Ailing Zeng, Haoqian Wang, Lei Zhang, Li Yu, "One-Stage 3D Whole-Body Mesh Recovery with Component Aware Transformer", *IEEE/CVF Conference on Computer Vision and Pattern Recognition* (**CVPR**), 2023. [Code] [Star: 374]

3. **Jing Lin***, Yuanhao Cai*, Xiaowan Hu, Haoqian Wang, Youliang Yan, Xueyi Zou, Henghui Ding, Yulun Zhang, Radu Timofte, and Luc Van Gool. "Flow-Guided Sparse Transformer for Video Deblurring", *International Conference on Machine Learning* (**ICML**), 2022. [Code] [128]

4. **Jing Lin***, Xiaowan Hu*, Yuanhao Cai, Haoqian Wang, Youliang Yan, Xueyi Zou, Yulun Zhang, Luc Van Gool. "Unsupervised Flow-Aligned Sequence-to-Sequence Learn-ing for Video Restoration", *International Conference on Machine Learning* (**ICML**), 2022. [Code] [Star: 128]

5. Yuanhao Cai*, **Jing Lin***, Xiaowan Hu, Haoqian Wang, Xin Yuan, Yulun Zhang, Radu Timofte, Luc Van Gool. "Coarse-to-Fine Sparse Transformer for Hyperspectral Image Reconstruction", *European Conference on Computer Vision* (**ECCV**), 2022. [Code] [Star: 407]

6. Yuanhao Cai*, **Jing Lin***, Xiaowan Hu, Haoqian Wang, Xin Yuan, Yulun Zhang, Radu Timofte, and Luc Van Gool. "Mask-Guided Spectral-Wise Transformer for Efficient Hyperspectral Image Reconstruction", *IEEE/CVF Conference on Computer Vision and Pattern Recognition* (**CVPR**), 2022. [Code] [Star: 407]

[1] ⋆ indicates equal contribution.

7. Yuanhao Cai*, **Jing Lin***, Haoqian Wang, Xin Yuan, Henghui Ding, Yulun Zhang, Radu Timofte, Luc Van Gool. "Degradation-Aware Unfolding Half-Shuffle Transformer for Spectral Compressive Imaging", *Conference on Neural Information Processing Systems* (**NeurIPS**), 2022. [Code] [Star: 407]

8. Xiaowan Hu*, Yuanhao Cai*, **Jing Lin**, Haoqian Wang, Xin Yuan, Yulun Zhang, Radu Timofte, and Luc Van Gool. "Hdnet: High-resolution dual-domain learning for spectral compressive imaging", *IEEE/CVF Conference on Computer Vision and Pattern Recognition* (**CVPR**), 2022. [Code] [Star: 407]]

## Technical Reports

I have won the champion of NTIRE Spectral Recovery Challenge at CVPR 2022, and third place of NTIRE video super-resolution challenge at CVPR 2021. I **wrote all the codes and performed experiments** in these challenges.

1. Yuanhao Cai*, **Jing Lin***, Zudi Lin, Haoqian Wang, Yulun Zhang, Hanspeter Pfister, Radu Timofte, and Luc Van Gool. "MST++: Multi-stage Spectral-wise Transformer for Efficient Spectral Reconstruction", *IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops* (**CVPRW Oral** & **Winner Award** of NTIRE Challenge on Spectral Reconstruction from RGB), 2022.

   [Code] [Star: 319] [Video] [Slide] [Poster] [Workshop Paper] [Leaderboard]

## Honors and Awards

- **National Scholarship** at HIT 2019
- **First Class Scholarship** at Tsinghua University 2022
- **Winner** of NTIRE Spectral Reconstruction Challenge at CVPR 2022
- **Third Place** of NTIRE Video Super-Resolution Challenge at CVPR 2021
- **Outstanding Graduates** at HIT 2021
- **First Class Scholarship** at HIT 2019, 2020

## Skills

- Language: Chinese (native), English (TOFEL: 94, CET-4:600, CET-6:499)
- Computing Skills: Algorithms, Data Structure, Machine Learning.
- Programming: Python, C/C#/C++, Matlab, LaTeX.
- Programming Frameworks: Pytorch, Scikit-Learn