
CONTACT INFORMATION	Tsinghua University, China Homepage: https://jinglin7.github.io	jinglin.stu@gmail.com Google Scholar GitHub
RESEARCH INTERESTS	3D Human-Scene Perception and Generation, Image and Video Restoration	
EDUCATION	Tsinghua University , China Master, GPA: 3.83/4.0, Major: Electronic Information, Advisor: Haoqian Wang	Oct 2021 – Jun 2024
	Harbin Institute of Technology (Shenzhen) , China Bachelor, GPA: 91.294/100, Major: Department of Automation	Oct 2017 – Jun 2021
PROJECT EXPERIENCE	3D Human-Scene Perception from In-the-Wild Images/Videos	July 2022 – Sept 2023
	<ul style="list-style-type: none">Develop a one-stage method OSX and build an upper-body dataset UBody for whole-body human mesh recovery (CVPR 2023).Design an automatic pipeline to annotate large-scale high-quality 3D human motion from in-the-wild videos and build a text-motion dataset Motion-X (NeurIPS 2023).	
	Grounded-Segment-Anything	Mar 2023 – Sept 2023
	<ul style="list-style-type: none">Combine OSX with grounded-SAM and support promptable 3D human mesh recovery.Maintain the project GitHub repository (11K stars) and address raised issues.	
SELECTED PUBLICATIONS	I have published 7 papers as the first or co-first author, including 2×ICML, 2×CVPR, 1×ECCV, 2×NeurIPS. According to Google Scholar , I have obtained 470 citations.	
	<ol style="list-style-type: none">Jing Lin¹, Ailing Zeng*, Shunlin Lu*, Yuanhao Cai, Ruimao Zhang, Haoqian Wang, Lei Zhang, “Motion-X: A Large-scale 3D Expressive Whole-body Human Motion Dataset”, <i>Conference on Neural Information Processing Systems (NeurIPS)</i>, 2023. [Code] [Star: 261]Jing Lin, Ailing Zeng, Haoqian Wang, Lei Zhang, Li Yu, “One-Stage 3D Whole-Body Mesh Recovery with Component Aware Transformer”, <i>IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)</i>, 2023. [Code] [Star: 457]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”, <i>International Conference on Machine Learning (ICML)</i>, 2022. [Code] [136]Jing Lin*, Xiaowan Hu*, Yuanhao Cai, Haoqian Wang, Youliang Yan, Xueyi Zou, Yulun Zhang, Luc Van Gool. “Unsupervised Flow-Aligned Sequence-to-Sequence Learning for Video Restoration”, <i>International Conference on Machine Learning (ICML)</i>, 2022. [Code] [Star: 137]	

¹★ indicates equal contribution.

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: 439]
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: 439]
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: 439]

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 play a hand-on role and **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: 351] [Video] [Slide] [Poster] [Workshop Paper] [Leaderboard]

GITHUB REPOSITORY

I’m passionate about open-source. Codes and datasets from my projects are released in GitHub, where I receive over 13K stars. Here are three important repositories:

1. **MST**: This repo is a comprehensive toolbox for spectral compressive imaging, in which I’ve reproduced seven previous works and supported eleven reconstruction methods.
2. **OSX**: This is a repo for whole-body mesh recovery. We provide detailed instructions for data and model preparation, model training, and inference. We hope to help researchers shift from SMPL-based mesh recovery to SMPLX-based whole-body mesh recovery.
3. **Grounded-SAM**: During my internship at the International Digital Economy Academy (IDEA), I collaborated on the Grounded-SAM project, which aims to detect and segment anything with text inputs and has earned over 11K stars.

HONORS AND AWARDS

- **National Scholarship** 2019, 2023
- **Winner** of NTIRE Spectral Reconstruction Challenge at CVPR 2022
- **Third Place** of NTIRE Video Super-Resolution Challenge at CVPR 2021
- **Outstanding Graduates** 2021
- **First Class Scholarship** 2019, 2020, 2022

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