李哲 Zhe Li

- Birth Date: 2000.09
- Phone: 188 0137 9062
- E-mail: liz19@mails.tsinghua.edu.cn
- Homepage: https://lizhe00.github.io
- Google Scholar: https://scholar.google.com/citations?user=yoKlecIAAAAJ
- Github: https://github.com/lizhe00

🎓 Education

Tsinghua University (THU)   2019.9 – Present

Department of Automation   Ph.D. Student   Beijing

- Advisor：Prof. Yebin Liu
- Research Field：3D Computer Vision

University of Science and Technology of China (USTC)   2015.9 – 2019.6

Class of the Gifted Young   Bachelor   Hefei, Anhui

- Subject: Automation
- GPA: 88/100，Rank：7/132

🏛 Publication

My research mainly focuses on **human-centric 3D vision**, especially 3D human modeling, including human reconstruction, animation and generation. I have published 9 top-tier conferences and journals like CVPR/ICCV/ECCV/T-PAMI/SIGGRAPH, including 6 first-author papers and 2 first-author oral papers.

[1] Animatable Gaussians: Learning Pose-dependent Gaussian Maps for High-fidelity Human Avatar Modeling
Zhe Li, Zerong Zheng, Lizhen Wang, Yebin Liu
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2024
[Project 🔗] [Demo 🎬] [Code 🐙]

[2] Gaussian Head Avatar: Ultra High-fidelity Head Avatar via Dynamic Gaussians
Yuelang Xu, Benwang Chen, **Zhe Li**, Hongwen Zhang, Lizhen Wang, Zerong Zheng, Yebin Liu
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2024
[Project 🔗] [Demo 🎬] [Code 🐙]

[3] TexVocab: Texture Vocabulary-conditioned Human Avatars
Yuxiao Liu, **Zhe Li**, Yebin Liu, Haoqian Wang
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2024
[Project 🔗]

[4] PoseVocab: Learning Joint-structured Pose Embeddings for Human Avatar Modeling
Zhe Li, Zerong Zheng, Yuxiao Liu, Boyao Zhou, Yebin Liu
SIGGRAPH Conference Proceedings, 2023
[Project 🔗] [Demo 🎬] [Code 🐙]

[5] AvatarCap: Animatable Avatar Conditioned Monocular Human Volumetric Capture
Zhe Li, Zerong Zheng, Hongwen Zhang, Chaonan Ji, Yebin Liu
European Conference on Computer Vision (**ECCV**), 2022
[Project 🔗] [Demo 🎬] [Code 🐙]

[6] Robust and Accurate 3D Self-portraits in Seconds
Zhe Li, Tao Yu, Zerong Zheng, Yebin Liu

IEEE Transactions on Pattern Analysis and Machine Intelligence (**T-PAMI**), 2021 (IF: 24.314)
[Project 🔗] [Demo 📹]

[7] POSEFusion: Pose-guided Selective Fusion for Single-view Volumetric Capture
Zhe Li, Tao Yu, Zerong Zheng, Kaiwen Guo, Yebin Liu
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2021 (**Oral Presentation**)
[Project 🔗] [Demo 📹]

[8] Lightweight Multi-person Total Motion Capture Using Sparse Multi-view Cameras
Yuxiang Zhang, **Zhe Li**, Liang An, Mengcheng Li, Tao Yu, Yebin Liu
IEEE International Conference on Computer Vision (**ICCV**), 2021
[Project 🔗] [Demo 📹]

[9] Robust 3D Self-portraits in Seconds
Zhe Li, Tao Yu, Chuanyu Pan, Zerong Zheng, Yebin Liu
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2020 (**Oral Presentation**)
[Project 🔗] [Demo 📹]

💙 Distinction

Tsinghua Alumni Li Yanda Scholarship，Tsinghua University	2022
National Scholarship，Ministry of Education of China	2021
Outstanding Student Scholarship (Golden)，USTC	2018