Curriculum Vitae

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EDUCATION

• Nanyang Technological University

- $-\,$ Ph.D. student supervised by Prof. Ziwei Liu
- Tsinghua University
 - Bachelor's degree, Department of Automation
 - Thesis supervised by Prof. Gao Huang

PUBLICATIONS

- * denotes equal contributions.
- Zhaoxi Chen, Gyeongsik Moon, Kaiwen Guo, Chen Cao, Stanislav Pidhorskyi, Tomas Simon, Rohan Joshi, Yuan Dong, Yichen Xu, Bernardo Pires, He Wen, Lucas Evans, Bo Peng, Julia Buffalini, Autumn Trimble, Kevyn McPhail, Melissa Schoeller, Shoou-I Yu, Javier Romero, Michael Zollhöfer, Yaser Sheikh, Ziwei Liu, Shunsuke Saito.

URHand: Universal Relightable Hands IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR Oral**), 2024

- Haozhe Xie, Zhaoxi Chen, Fangzhou Hong, Ziwei Liu.
 CityDreamer: Compositional Generative Model of Unbounded 3D Cities IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2024
- Guangcong Wang, Peng Wang, Zhaoxi Chen, Wenping Wang, Chen Change Loy, Ziwei Liu. *PERF: Panoramic Neural Radiance Field from a Single Panorama* IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2024
- Haonan Qiu, Zhaoxi Chen, Yuming Jiang, Hang Zhou, Xiangyu Fan, Lei Yang, Wayne Wu, Ziwei Liu. ReliTalk: Relightable Talking Portrait Generation from a Single Video International Journal of Computer Vision (IJCV), 2024
- Zhaoxi Chen, Fangzhou Hong, Haiyi Mei, Guangcong Wang, Lei Yang, Ziwei Liu. *PrimDiffusion: Volumetric Primitives Diffusion for 3D Human Generation* Conference on Neural Information Processing Systems (NeurIPS), 2023
- Zhaoxi Chen, Guangcong Wang, Ziwei Liu.
 SceneDreamer: Unbounded 3D Scene Generation from 2D Image Collections IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2023
- Guangcong Wang, Zhaoxi Chen, Chen Change Loy, Ziwei Liu. SparseNeRF: Distilling Depth Ranking for Few-shot Novel View Synthesis IEEE/CVF International Conference on Computer Vision (ICCV), 2023
- Zhitao Yang*, Zhongang Cai*, Haiyi Mei*, Shuai Liu*, Zhaoxi Chen*, Weiye Xiao, Yukun Wei, Zhongfei Qing, Chen Wei, Bo Dai, Wayne Wu, Chen Qian, Dahua Lin, Ziwei Liu, Lei Yang.
 SynBody: Synthetic Dataset with Layered Human Models for 3D Human Perception and Modeling IEEE/CVF International Conference on Computer Vision (ICCV), 2023

08/2021 - now

08/2017 - 07/2021

 Peng Wang*, Yuan Liu*, Zhaoxi Chen, Lingjie Liu, Ziwei Liu, Taku Komura, Chr Wenping Wang. 	istian Theobalt,
F2-NeRF: Fast Neural Radiance Field Training with Free Camera Trajectories IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR High	nlight), 2023
• Fangzhou Hong, Zhaoxi Chen, Yushi Lan, Liang Pan, Ziwei Liu.	
EVA3D: Compositional 3D Human Generation from 2D Image Collections International Conference on Learning Representations (ICLR Spotlight), 2023	
• Zhaoxi Chen, Guangcong Wang, Ziwei Liu.	
Text2Light: Zero-shot Text-driven HDR Panorama Generation ACM Transactions on Graphics (TOG), 2022 (Proc. SIGGRAPH Asia)	
• Zhaoxi Chen, Ziwei Liu.	
Relighting4D: Neural Relightable Human from Videos European Conference on Computer Vision (ECCV), 2022	
• Yulin Wang [*] , Zhaoxi Chen[*] , Haojun Jiang, Shiji Song, Yizeng Han, Gao Huang.	
Adaptive Focus for Efficient Video Recognition IEEE/CVF International Conference on Computer Vision (ICCV Oral), 2021	
• Zhuolin Yang [*] , Zhaoxi Chen , Tiffany Cai, Xinyun Chen, Bo Li, Yuandong Tian [*] .	
Understanding Robustness in Teacher-Student Setting: A New Perspective International Conference on Artificial Intelligence and Statistics (AISTATS), 2021	
ACADEMIC EXPERIENCE	
• MMLab@NTU, Nanyang Technological University Ph.D. student supervised by Prof. Ziwei Liu	08/2021 - now
Neural 3D Asset Synthesis and Generation	
• Reality Labs Research, Meta Research Scientist Intern supervised by Shunsuke Saito	06/2023 - 09/2023
Universal Foundation Model for Photorealistic Avatars	
• Department of Automation, Tsinghua University Undergraduate thesis supervised by Prof. Gao Huang	12/2020 - 07/2021
Efficient Video Understanding	

- Secure Learning Lab (SL2), Computer Science Department, UIUC 06/2020 11/2020 Intern supervised by Prof. Bo Li
 Adversarial Robustness in Teacher-student Framework
- ModLab, GRASP, University of Pennsylvania
 05/2020 09/2020
 Intern supervised by Prof. Mark Yim

Active Reconfiguration of Modular Robot

AWARDS

•	ICCV 2023 Outstanding Reviewer Awardee	2023
•	Meta Research PhD Fellowship Finalist	2023
•	AISG PhD Fellowship Awardee	2021

Guangyao Scholarship, Tsinghua University Awardee
Siyuan Excellence Programme, Tsinghua University Membership (37 / 3300+)
2018

SERVICES

- Conference Reviewer CVPR 2023/2024, ICCV 2023, NeurIPS 2023, SIGGRAPH 2023/2024, ICLR 2024, ICML 2024, ECCV 2024
- Journal Reviewer TOG, IJCV, TVCG, TCSVT, Neurocomputing

• Teaching Assistant

- NTU SC2001/CE2101/CZ2101 Algorithm Design and Analysis, 2022
- NTU SC1015/CE1115/CZ1115 Introduction to Data Science and Artificial Intelligence, 2022