

Yuxin WANG

<https://w-ted.github.io>

Mobile: (+86)13615691297

Email: ywangom@connect.ust.hk

EDUCATION

- **Hong Kong University of Science and Technology (HKUST)** Hong Kong, China
Ph.D. student in Computer Science and Engineering. Supervisor: Prof. Dan Xu *Feb. 2022 – Present*
- **University of Science and Technology of China (USTC)** Hefei, China
Bachelor of Science in Automation *Sep. 2015 – June 2019*

EXPERIENCE

- **Shanghai AI Lab** Shanghai, China
Intern *Feb. 2022 – Feb. 2023*
 - **OmniObject3D**: Participated in constructing OmniObject3D, a large-vocabulary 3D object dataset, which has become one of the most popular 3D object datasets in academia to date. Responsible for video data collection, processing, and setting up part of the benchmarks.
- **Sensetime Inc.** Beijing, China
Intern ⇒ Computer Vision Researcher *Sep. 2019 – Feb. 2022*
 - **Talking Head**: Played a key role in developing audio-driven 2D/3D/cartoon talking head algorithms, with products successfully applied across various fields, generating multi-million RMB revenue for the company. Secured one book chapter and three patents for talking head algorithms.

PUBLICATIONS

- **Yuxin Wang**, Qianyi Wu, and Dan Xu. “F3D-Gaus: Feed-forward 3D-aware Generation on ImageNet with Cycle-Consistent Gaussian Splatting.” **Technical Report**.
- **Yuxin Wang**, Qianyi Wu, Guofeng Zhang, and Dan Xu. “GScream: Learning 3D Geometry and Feature Consistent Gaussian Splatting for Object Removal.” **ECCV 2024**.
- **Yuxin Wang**, Wayne Wu, and Dan Xu. “UDC-NeRF: Learning Unified Decompositional and Compositional NeRF for Editable Novel View Synthesis.” **ICCV 2023**.
- Tong Wu, Jiarui Zhang, Xiao Fu, **Yuxin Wang**, Jiawei Ren, Liang Pan, Wayne Wu, Lei Yang, Jiaqi Wang, Chen Qian, Dahua Lin, and Ziwei Liu. “OmniObject3D: Large-Vocabulary 3D Object Dataset for Realistic Perception, Reconstruction and Generation.” **CVPR 2023 (Award Candidate: 12/2360)**.
- Dongwei Pan, Long Zhuo, Jingtian Piao, Huiwen Luo, Wei Cheng, **Yuxin Wang**, Siming Fan, Shengqi Liu, Lei Yang, Bo Dai, Ziwei Liu, Chen Change Loy, Chen Qian, Wayne Wu, Dahua Lin, and Kwan-Yee Lin. “RenderMe-360: A Large Digital Asset Library and Benchmarks Towards High-fidelity Head Avatars.” **NeurIPS 2023 (Joint Second Author)**.
- **Yuxin Wang**, Linsen Song, Wayne Wu, Chen Qian, Ran He, and Chen Change Loy. “Talking faces: Audio-to-video face generation.” **Handbook of Digital Face Manipulation and Detection**.

SKILLS and SERVICES

- **Programming**: Python, C/C++, Matlab, LATEX
- **Languages**: Mandarin Chinese, English
- **Conference Reviewer**: CVPR, ICLR, and NeurIPS
- **Teaching Assistant**: Fundamentals of Artificial Intelligence; Introduction to Object-oriented Programming; Deep Perception, Localization, and Planning for Autonomous Vehicles