

Yongwei Chen | Curriculum Vitae

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Computer Vision | 3D Vision | Multimodal Learning | Graphics

OVERVIEW

I am currently conducting my research and will pursue my PhD studies in MMLab@NTU, supervised by Xingang Pan. Prior to this, I earned both my Master's and Bachelor's degrees at South China University of Technology, under the mentorship of Kui Jia. My primary research interest lies in the exciting and constantly-evolving realm of 3D vision and graphics, with a particular emphasis on 3D generation.

EDUCATION

Bachelor's degree

School of Electronic and Information Engineering

GPA: 3.92/4.00, rank 3/242

South China University of Technology

2016.09 – 2020.06

Master's Degree

Information and Communication Engineering

Advisor: Prof. Kui Jia

South China University of Technology

2020.09 – 2023.12

RECENT PUBLICATION

- [1] **Y. Chen***, T. Wang*, T. Wu, X. Pan, K. Jia and Z. Liu, "ComboVerse: Compositional 3D Assets Creation Using Spatially-Aware Diffusion Guidance.", *arXiv*, 2024.
- [2] R. Chen*, **Y. Chen***, N. Jiao and K. Jia, "Fantasia3D: Disentangling Geometry and Appearance for High-quality Text-to-3D Content Creation.", in *International Conference on Computer Vision (ICCV)*, 2023.
- [3] **Y. Chen**, R. Chen, J. Lei, Y. Zhang and K. Jia, "TANGO: Text-driven Photorealistic and Robust 3D Stylization via Lighting Decomposition.", in *Advances in Neural Information Processing Systems (NeurIPS)*, 2022. *spotlight*
- [4] **Y. Chen***, Z. Wang*, L. Zou, K. Chen, and K. Jia, "Quasi-Balanced Self-Training on Noise-Aware Synthesis of Object Point Clouds for Closing Domain Gap.", in *European Conference on Computer Vision (ECCV)*, 2022.
- [5] M. Yang, Y. Wen, W. Chen, **Y. Chen**, and K. Jia, "Deep Optimized Priors for 3D Shape Modeling and Reconstruction.", in *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2021.

WORK EXPERIENCE

Research Intern

Dexforce, Shenzhen

2021.11 – 2023.09

Research Intern

Shanghai AI Laboratory, Shanghai

2023.09 – 2024.01

SKILLS

Proficient: Python (Pytorch), Blender, \LaTeX

Familiar: C++, CUDA

AWARDS

Samsung Scholarship, South China University of Technology

2018.03

National Scholarship, South China University of Technology

2018.11

National Scholarship, South China University of Technology

2019.12