Yongwei Chen | Curriculum Vitae

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Computer Vision | 3D Vision | Multimodal Learning | Graphics

OVERVIEW

I am a PhD student in MMLab@NTU, supervised by Prof. Xingang Pan. Prior to this, I earned both my Master's and Bachelor's degrees at South China University of Technology (SCUT), under the mentorship of Prof. 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

PhD student   **Nanyang Technological University**
College of Computing and Data Science   *2024.08 – present*
Supervisor: Prof. Xingang Pan

Master's Degree   **South China University of Technology**
Information and Communication Engineering   *2020.09 – 2023.12*
Supervisor: Prof. Kui Jia

Bachelor's degree   **South China University of Technology**
School of Electronic and Information Engineering   *2016.09 – 2020.06*
GPA: 3.92/4.00, rank 3/242

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.", *in European Conference on Computer Vision (ECCV), 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*