

# 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.”, 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,  $\text{\LaTeX}$

**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*