

# Yongwei Chen | Curriculum Vitae

📍 Guangzhou, Guangdong

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Computer Vision | 3D Vision | Multimodal Learning | Graphics

## OVERVIEW

As a Master's student (by research) at the South China University of Technology, I am fortunate to be working under the tutelage of Professor Kui Jia. My primary research interest is in the exciting and constantly-evolving field of 3D vision and graphics, with a specific focus on deep learning for physically based rendering.

I earned my Bachelor's degree from the same university, where I honed my skills and passion for this field. Recently, I have been actively engaged in developing an AI artist capable of generating 3D assets autonomously, including materials, shapes, motions, and other relevant parameters. This project is a fascinating and challenging undertaking, and our first attempt in this direction was accepted by NeurIPS 2022. Our solution is designed to stylize arbitrary meshes according to given text prompts, demonstrating our proficiency and innovation in this space.

## 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 – present*

## RECENT PUBLICATION

- [1] **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*
- [2] **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.
- [3] 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 – 2022.09*

## 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*