

Yongwei Chen | Curriculum Vitae

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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, \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