

Jiamu Sun

MASTER STUDENT

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Education

University of Science Academy of Sciences

Beijing

MS COMPUTER SCIENCE

2021 - 2024

- GPA 3.78/4.0 TOEFL-iBT 108/120 (R30,L30,S25,W23)
- Advisor: Prof. [Lin Gao](#)

Huazhong University of Science and Technology

Wuhan

BS COMPUTER SCIENCE

2017 - 2021

- GPA 92.81/100 (3.99/4.0), Ranking 3/320
- CET4 672/710 CET6 582/710
- Thesis Advisor: Prof. Lin Gao, Prof. Hongxing Guo

Publications

Jia-Mu Sun, Tong Wu, Lin Gao*. 2024. Recent advances in implicit representation-based 3D shape generation. *Visual Intelligence*.

Lin Gao*, Jie Yang, Bo-Tao Zhang, **Jia-Mu Sun**, Yu-Jie Yuan, Hongbo Fu, Yu-Kun Lai. 2024. Mesh-based Gaussian Splatting for Real-time Large-scale Deformation. *arXiv:2402.04796*.

Jia-Mu Sun, Jie Yang, Kaichun Mo, Yu-Kun Lai, Leonidas J. Guibas, Lin Gao*. 2024. HAIOR: Human-Aware Indoor Scene Optimization via Deep Reinforcement Learning. *ACM Transactions on Graphics*.

Jia-Mu Sun, Tong Wu, Yong-Liang Yang, Yu-Kun Lai, Lin Gao*. 2023. SOL-NeRF: Sunlight Modeling for Outdoor Scene Decomposition and Relighting. In *SIGGRAPH Asia 2023 Conference Paper*.

Tong Wu, **Jia-Mu Sun**, Yu-Kun Lai, Lin Gao*. 2023. DE-NeRF: DEcoupled Neural Radiance Fields for View-Consistent Appearance Editing and High-Frequency Environmental Relighting. In *SIGGRAPH 2023 Conference Paper*.

Lin Gao, **Jia-Mu Sun**, Kaichun Mo, Yu-Kun Lai, Leonidas J. Guibas, Jie Yang. 2023. SceneHGN: Hierarchical Graph Networks for 3D Indoor Scene Generation with Fine-Grained Geometry. In *IEEE Transactions on Pattern Analysis and Machine Intelligence (IEEE TPAMI)*.

Professional Experience

2020.6-2020.8 Intern Game Engine Developer, Tencent(Guangzhou)

Awards, Fellowships, & Grants

- 2022 First-Level Graduate Academic Scholarship, University of Science Academy of Sciences
- 2021 Excellent Thesis Award, Huazhong University of Science and Technology
- 2020 Honor Student of Qiming Collage, Huazhong University of Science and Technology
- 2019 Undergraduate National Scholarship, China

Outreach & Professional Development

SERVICE AND OUTREACH

- 2018-2020 Unique Studio(Student Technology Team) of HUST, Game Department Leader
- 2018-2020 Symphony Orchestra of HUST, Clarinet Player