



Shurui Liu

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View me @ <https://howccc.github.io/>

iSEE Lab

Education

- Sun Yat-Sen University, School of Computer Science and Engineering, M.S. 2025.06–2028.6(expected)
- Sun Yat-Sen University, School of Intelligent Systems Engineering B.S. 2021.06–2025.06
 - **National Scholarship(top 0.2%)**, **1st Class Scholarship of SYSU**

Publications

- **iSEE Lab** | *Supervised by Wei-Shi Zheng & Ancong Wu* 2024.12–present
 - **HiDiGen: Hierarchical Diffusion for B-Rep Generation with Explicit Topological Constraints**
First author, CVPR 2026
 - **DrawingsDreamer: A Unified Multi-View Engineering Drawings Generation Model**
First author, Under Review
 - **ForgeCAD: Reformulating Drawings-to-CAD Generation as a Symbolic Routing Task**
First author, Under Review
 - **SpaGS: Spatial Autocorrelation as a Unified Prior for Sparse-View Gaussian Splatting Reconstruction**
Third author, Under Review
- **IMG Lab** | *Supervised by Chenqiang Gao* 2022.10–2024.12
 - **CM-Diff: A Single Generative Network for Bidirectional Cross-Modality Translation Diffusion Model Between Infrared and Visible Images**
Student second author, Under Review

Entrepreneurship

Beyond academic research, I'm the Founder of @RoCAD aiming to craft 3d asset by text. I am also the co-founder of ElysianAI, a startup developing AI research assistants. View our project @PaperPanza.

Interest

- **Vecset-based 3D Generation**(CLAY/Hunyuan/Dora), and **Sparse Voxel based generation**(Trellis/TripoSf).
- AR-based low-poly 3D(and Diffusion or Flow-based).
- Video & Interactive Scene Generation

Additional

- I participated in a volunteer program in Meizhou, Guangdong, providing educational support to local children. 2023.06–2023.12