

Tiantian Li

lisweeter@outlook.com | 86-17383985291 | github.com/sweethyh | Chengdu, China

Education

Hunan University (HNU) , Changsha, China MS in Computer Technology • GPA: 3.57/4.0 (80.35/100, rank 20%)	Sept 2022 – Jun 2025
Sichuan Agricultural University (SICAU) , Yaan, China BS in Information Management and Information System • GPA: 4.05/5.0 (90.5/100, rank 4%)	Sept 2018 – Jun 2022

Intern Experience

Institute for AI research, Tsinghua University <i>Research Intern</i> • Implicit neural representation and 3D/2D Gaussian Splatting	Jun 2024 – At Present
Shenzhen AiXieSheng Technology Co., Ltd. <i>Image Algorithm Engineer</i> • Developed a suite of lightweight customized image codecs with different rates. • Collaborated with digital IC engineers to optimize display efficiency. chipsets and test visual effects on screens. • Implemented compression of Luminance Demura data utilizing the Demura compensation algorithm at low bitrates.	Mar 2022 – Dec 2023

Research Interests

- Neural Representation, eg., Gaussian Splatting and Nerf
- 3D Reconstruction, eg., Novel View Synthesis
- Video/Image coding, eg., Learnable Image Compression

Research

- Tiantian Li, Xinjie Zhang, Dailan He, Xingtong Ge, Tongda Xu, Jun Zhang, Yan Wang. (2025). “GaussianImage+ +: Boosted Image Representation and Compression with 2D Gaussian Splatting”, submitted to ICCV 2025.
- Tiantian Li, Qunbing Xia, Yue Li, Ruixiao Guo, Gaobo Yang. (2025). “Deep Lossless Image Compression via Masked Sampling and Coarse-to-Fine Auto-Regression”. [\[Paper\]](#)
- Tiantian Li, Yue Li, Ruixiao Guo, Gaobo Yang. (2024), “Learned lossless medical image compression via dual-transform and subimage-wise auto-regression”, submitted to Signal Processing: Image Communication (SPIC)(under review).

Awards & Services

Hunan University Postgraduates Scholarship Reviewer, ACM MM 2024	2022-2024
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Skills

Programming: C, C++, Python, Matlab

Languages: CET4(519), CET6(485).