

Xingyang Li

brucelee_sjtu@sjtu.edu.cn / <https://acm.sjtu.edu.cn/~xyli>

EDUCATION

Massachusetts Institute of Technology (MIT)
Visiting Student at MIT HAN Lab, EECS Department
Advisor: [Prof. Song Han](#)

Cambridge, MA
07/2025 – 12/2025

Shanghai Jiao Tong University (SJTU)
B.Eng. in Computer Science & Technology
Member of ([ACM Honors Class](#)), an elite CS program for top 5% students

Shanghai, China
09/2022 – 06/2026 (Expected)

- **GPA** (All): **4.03**/4.3, Ranking: **3**/30, 19 A+ courses
- Selected core courses: Computer Vision: 100/100, Machine Learning: 97/100, Comprehensive Design for Computer System: 97/100, Information Theory: 98/100, Advanced Compiler Project: 100/100, Linear Algebra: 100/100

RESEARCH INTERESTS

I am interested in efficient machine learning, with a focus on sparse neural networks and low-bit model quantization. My long-term vision is to help build efficient superintelligence—models that stay compact, accessible, and reliably scalable to serve increasingly broad and demanding real-world needs.

SELECTED PUBLICATIONS

Radial Attention: $\mathcal{O}(n \log n)$ Sparse Attention with Energy Decay for Long Video Generation

*Xingyang Li**, *Muyang Li**, *Tianle Cai*, *Haocheng Xi*, *Shuo Yang*, *Yujun Lin*, *Lvmin Zhang*, *Songlin Yang*, *Jinbo Hu*, *Kelly Peng*, *Maneesh Agrawala*, *Ion Stoica*, *Kurt Keutzer*, *Song Han*
Annual Conference on Neural Information Processing Systems (NeurIPS), 2025. [\[arxiv\]](#) [\[code\]](#) [\[website\]](#) [\[blog\]](#)

Nebula: Infinite-Scale 3D Gaussian Splatting in VR via Collaborative Rendering and Accelerated Stereo Rasterization

He Zhu, *Zheng Liu*, *Xingyang Li*, *Anbang Wu*, *Jieru Zhao*, *Fangxin Liu*, *Yiming Gan*, *Jingwen Leng*, *Yu Feng*
International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS), 2026; (**Oral Presentation**).

SLTarch: Towards Scalable Point-Based Neural Rendering by Taming Workload Imbalance and Memory Irregularity

*Xingyang Li**, *Jie Jiang**, *Yu Feng*, *Yiming Gan*, *Jieru Zhao*, *Zihan Liu*, *Jingwen Leng*, *Minyi Guo*
International Conference on Computer-Aided Design (ICCAD), 2025; (**Oral Presentation**). [\[arxiv\]](#)

Harnessing Conventional Video Processing Insights for Emerging 3D Video Generation Models: A Comprehensive Attention-aware Way

*Tianlang Zhao**, *Jun Liu**, *Xingyang Li**, *Li Ding*, *Jinhao Li*, *Shuaiheng Li*, *Jinbo Hu*, *Guohao Dai*
Design Automation Conference (DAC), 2025; (**Oral Presentation**). [\[pdf\]](#)

HONORS

2025 Commercial Sponsorship Scholarship (Top 6 at Zhiyuan College, SJTU)
2025 SenseTime Scholarship (30 winners nationwide with aspiration in AI research)
2024 Commercial Sponsorship Scholarship (14 winners each year in SJTU)
2023 Longfor Merit Scholarship (Top 10 at Zhiyuan College, SJTU)

TECHNICAL SKILLS

Language: TOEFL: Total 115 (Reading 30, Listening 30, Speaking 25, Writing 30); CET 6: 665/710
Programming and Software: Python, C++, CUDA, Bash, Git, Java, Go, and Verilog