Xiang Li

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EDUCATION

Tsinghua University   *2021.09 – 2025.07*
Department of Computer Science and Technology
- **GPA**: 3.91 / 4.0
- **A+ Courses**: Artificial Neural Networks, Students Research Training, Software Engineering, Computer Network, Introduction to Computer Systems, Formal Languages and Automata, Linear Algebra, etc.

HONORS

- Excellent Academic Scholarship (2022, 2023)
- Excellent Art Scholarship (2022, 2023)
- Freshman Scholarship

PUBLICATIONS

- (ICRA 2024) Yupeng Zheng, **Xiang Li**, Pengfei Li, et al. *MonoOcc: Digging into Monocular Semantic Occupancy Prediction.*

RESEARCH EXPERIENCE

3D Scene Understanding for Autonomous Driving   *2023.06 – Now*
Supervised by Prof. Hao Zhao & Prof. Yilun Chen,
Institute for AI Industry Research (AIR), Tsinghua University, China.
- During SUMMER AIR 2023, I completed the paper *MonoOcc: Digging into Monocular Semantic Occupancy Prediction* as the **co-first author**. The project has achieved SOTA performance on the SemanticKITTI Benchmark and was successfully accepted by ICRA 2024.
- I joined AIR as an intern in September 2023 and continued my research on occupancy prediction algorithms in autonomous driving scenarios. Currently, our project has achieved SOTA performance on Nuscenes dataset. We are planning to submit our work to NeurIPS 2024.

AIGC   *2024.02 – Now*
Cooperating with Ph.D student Xinyu Liu,
The Hong Kong University of Science and Technology (HKUST).
- Our collaborative project mainly focuses on high-resolution image generation and large-scale 3D object generation.

Computer Vision   *2024.04 – Now*
Supervised by Prof. Jifeng Dai,
Fundamental Vision Lab, Tsinghua University, China.
- My current work mainly focuses on further improving and expanding the application of DCNv4.

SKILLS, ACTIVITIES & INTERESTS

- **Languages**: Fluent in English, passing the CET-6 with a score of 634
- **Technical Skills**: Python, C, C++
- **Scientific Research Interests**: Computer Vision (3D scene understanding, AIGC), Autonomous Driving
- **Other Interests**: Member of the script writing team of THU Drama Troupe, core member of the Podcast Department of THU Student Film Association.