

Xiang Li



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EDUCATION

Tsinghua University

College of AI

2025.09 – Now

Ph.D. Student

- Advisor: Prof. Yaqin Zhang

Department of Computer Science and Technology

2021.09 – 2025.06

B.Eng. in Computer Science

- **GPA:** 3.92 / 4.0
- **Rank:** 25 / 184 (Top 15%)
- **A+ Courses:** Artificial Neural Networks, Students Research Training, Software Engineering, Computer Network, Introduction to Computer Systems, Formal Languages and Automata, Linear Algebra, etc.

HONORS

- [1] Tsinghua Doctoral Fellowship for Future Scholar
- [2] Outstanding Graduate of Department
- [3] Tsinghua Excellent Academic Scholarship (2022, 2023, 2024)
- [4] Tsinghua Excellent Art Scholarship (2022, 2023)
- [5] Tsinghua Freshman Scholarship

PUBLICATIONS

- [C1] (ICLR 2025) Xiang Li, Pengfei Li, Yupeng Zheng, et al. *Semi-Supervised Vision-Centric 3D Occupancy World Model for Autonomous Driving*.
- [C2] (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

Institute for AI Industry Research, Tsinghua University (AIR, THU)

2023.06 – Now

Research Intern

- Topic: Occupancy prediction and forecasting in autonomous driving scenarios
- Projects: PreWorld (ICLR 2025), MonoOcc (ICRA 2024)
- Mentor: Prof. Yilun Chen

3D Scene Understanding for Embodied Agents

TARS

2025.02 – Now

Research Intern

- Topic: Occupancy prediction in indoor scenarios
- Mentor: Prof. Wenchao Ding

The HKU Musketeers Foundation Institute of Data Science (HKU IDS)

2024.07 – 2024.09

Student Research Assistant

- Topic: 3D visual grounding and reasoning grounding
- Mentor: Prof. Xihui Liu

SKILLS, ACTIVITIES & INTERESTS

Languages: Fluent in English, passing the CET-6 with a score of 634

Technical Skills: Python, C, C++

Scientific Research Interests: 3D Scene Understanding, Autonomous Driving, Embodied AI

Other Interests: Member of the script writing team of THU Drama Troupe, Core member of the Podcast Department of THU Student Film Association