Xiang Li

(86)18755699007 | l-x21@mails.tsinghua.edu.cn

EDUCATION

Tsinghua University

College of AI   *2025.09 – Now*
Ph.D. Student
- Advisor: Prof. Ya-Qin 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] Kindle Blue Scholarship
[2] Tsinghua Doctoral Fellowship for Future Scholar
[3] Outstanding Graduate of Department
[4] Tsinghua Excellent Academic Scholarship (2022, 2023, 2024)
[5] Tsinghua Excellent Art Scholarship (2022, 2023)
[6] Tsinghua Freshman Scholarship

PUBLICATIONS

[J1] (**RA-L 2025**) **Xiang Li**, Yupeng Zheng, Pengfei Li, et al. *Enhancing Indoor Occupancy Prediction via Sparse Query-Based Multi-Level Consistent Knowledge Distillation.*

[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
- Project: DiScene (RA-L 2025)
- 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