

Tian Luo

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Research Profile

I am an undergraduate at Sichuan University, pursuing dual bachelor's degrees in Mathematics and Artificial Intelligence. I am interested in **AI for Science**, **large language models**, and **scalable physical intelligence**. My coursework has given me a solid foundation in *theoretical mathematics and statistics*.

Currently, I am keeping abreast of recent advances in LLM reasoning and generative AI, among other cutting-edge fields. I look forward to exchanging ideas, exploring potential research collaborations, and pursuing **PhD opportunities**.

Education

Sichuan University

Dual Bachelor's Degrees in Mathematics and Artificial Intelligence

Sep. 2024 – Jun. 2028 (expected)

GPA: 3.8/4.0 | **Rank: 1/27**

Research Experience

Institute for AI Industry Research (AIR), Tsinghua University

Research Intern

Feb. 2026 – Oct. 2026

Advisor: Assistant Professor Kun Li

- **Agents for scientific discovery:** Exploring AI agents that support scientific reasoning and discovery in physical systems.
- **Microscopic physical intelligence:** Studying how physical intelligence can understand and reason about physical processes at the micro-scale.

Publications & Preprints

[†] Equal contribution. [‡] Corresponding author.

[1] AtomWorld-Mem: Memory-Restored World States for Long-Horizon Atomistic Evolution

Tian Luo[†], Ruge Zhang[†], Haozhi Han, Yifeng Chen, Yunquan Zhang, Yunxin Liu, Ting Cao, Kun Li[‡].

Conference on Neural Information Processing Systems (NeurIPS), 2026.

[Paper](#) / [Project page](#)

[2] From Atomic Events to Material Degradation Across Metre and Year Scales

Kun Li^{†‡}, Tian Luo[†], Haozhi Han, Ruge Zhang, Yifeng Chen, Xinfu He, Yunquan Zhang, Ting Cao, Yunxin Liu.

Preprint, 2026.

Honors & Awards

National Scholarship

2025, 2026

Comprehensive First-Class Scholarship, Sichuan University

2025