

Yuchen Lin

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EDUCATION

Peking University

Beijing, China

Second-year Undergraduate. Major in Intelligence Science and Technology (Zhi Class)

Sept. 2022 – Present

- **GPA:** 3.80/4.0 (Specialized), 3.79/4.0 (Overall).
- **Core Courses:** Advanced Mathematics I/II (96/95), Probability Theory and Statistics (99), Introduction to Computation (94), Introduction to Artificial Intelligence (93.5), Practice of Software Design (93), Research Practice for Intelligence Science I/II (94/93).
- **Standard Tests:** TOEFL 111 (Speaking 23), CET-6 622.

Double-major in Economics

Sept. 2023 – Present

- **Core Courses:** Principles of Economics (100), Intermediate Microeconomics (93).

PUBLICATIONS AND MANUSCRIPTS

* indicates equal contributions

- Chenguo Lin*, **Yuchen Lin***, Panwang Pan, Xuanyang Zhang, Yadong Mu. InstructLayout: Instruction-Driven 2D and 3D Layout Synthesis with Semantic Graph Prior. Under Review, 2024.

EXPERIENCE

Machine Intelligence Lab of Peking University

Beijing, China

Research Intern

Sept. 2023 – Present

advisor: Prof. Yadong Mu

- **Research Topic:** 3D semantic learning, static and dynamic scene reconstruction.
- Proposed a unified framework for 2D and 3D instruction-driven layout synthesis with a semantic graph prior. New datasets have been curated to enhance further research. This work has resulted in a top-tier journal submission.
- Exploring the integration of physics and 4D scene generation. This work is going to be submitted to a top-tier conference.

ZERO Lab of Peking University

Beijing, China

Rotating Student

Jan. 2024 – May. 2024

advisor: Prof. [Zhouchen Lin](#)

- **Research Topic:** Optimization
- Explored in a brand-new optimization algorithm that achieves state-of-art memory efficiency. Comprehensive experiments on LLM training have been done to verify its effectiveness. This work has resulted in a top-tier conference submission.

AWARDS

Robin Li Scholarship

Sept. 2023

- Award presented to 25 students in Peking University per year.

Merit Student

Sept. 2023

XiaoSong Scholarship of Fuguang Foundation

Sept. 2022

- Award presented to 4 students in Fujian Province per year.

First Prize in China Physics Olympiad (Fujian Province)

Nov. 2020

EXTRACURRICULAR ACTIVITIES

EECS School Soccer Team

Beijing, China

Team Member

Sept. 2022 – Present

- **Silver Medal** in 2022 Freshman Soccer Cup of Peking University;
- **Bronze Medal** in 2024 Peking University Soccer Cup (B-level);

EECS School Student Union

Beijing, China

Operations Department

Sept. 2022 – Present

- **Secretary** (2022-2023). Manage the operation of the Student Union's official account.
- **Deputy Director** (2023-Present). Coordinate and manage department affairs.