

# QIUSHI LYU

## Peking University

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AlfredLyu

## EDUCATION

Bachelors of Computer Science (Turing Class)

### Peking University

Sept. 2021 – Present Beijing, China

- GPA 3.92/4.00, Rank 1/121
- Gold medalist at the 2020 China National Olympiad in Informatics (NOI), leading to direct admission into Peking University.

Visiting Student

### Massachusetts Institute of Technology

Mar. 2024 – Aug. 2024 Boston, US

- Advised by Prof. Joshua B. Tenenbaum and Prof. Chuang Gan.
- Specialized in Computer Vision and Embodied AI.

## PUBLICATIONS (\*DENOTES EQUAL CONTRIBUTION)

**Constrained Human-AI Cooperation: An Inclusive Embodied Social Intelligence Challenge** **NeurIPS 2024 D&B Track**

Authors: Weihua Du\*, **Qiushi Lyu\***, Jiaming Shan, Zhenting Qi, Hongxin Zhang, Sunli Chen, Andi Peng, Tianmin Shu, Kwonjoon Lee, Behzad Dariush, Chuang Gan

- Add description here

**COMBO: Compositional World Models for Embodied Multi-Agent Cooperation** **Submit to ICLR 2025**

Authors: Hongxin Zhang\*, Zeyuan Wang\*, **Qiushi Lyu\***, Zheyuan Zhang, Sunli Chen, Tianmin Shu, Yilun Du, Chuang Gan

- Add description here

**MagnifierSketch: A Unified Data Structure for Efficient Aggregate and Per-Flow Latency Quantile Estimation** **Submit to WWW 2025**

Authors: Jiarui Guo\*, **Qiushi Lyu\***, Yuhan Wu\*, Haoyu Li\*, Tong Yang, Zhaoqian YAO, Yuqi Dong, Peiqing Chen, Xiaolin Wang

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## RESEARCH INTERESTS

- Computer Vision
- Embodied AI and Robotics
- Multimodal Learning

## LANGUAGES

Chinese: Native Speaker  
English: TOEFL 105(Speaking 23), GRE 320

## SELECTED PRIZES

	<b>May 4th Scholarship</b> The best scholarship in Peking University, has equivalent status to National Scholarship	Dec. 2023
	<b>POSCO Asia Fellowship</b> Comprehensive Excellent Award sponsored by POSCO	Dec. 2022
	<b>International Collegiate Programming Contest (ICPC) Asia-East Continent Final Contest</b> Rank 4, Gold Medal	Jul. 2022
	<b>International Collegiate Programming Contest (ICPC) Shenyang Regional Contest</b> Rank 1, Gold Medal	Nov. 2021
	<b>China National Olympiad in Informatics (NOI) 2020</b> Rank 45, Gold Medal	Aug. 2020

## EXPERIENCES

### Research Intern

#### MIT-IBM Watson AI Lab, Massachusetts Institute of Technology

📅 Aug. 2022 – Present

📍 Boston, US / Remote

- Advised by Prof. Joshua B. Tenenbaum and Prof. Chuang Gan.
- Add some description here.

### Research Intern

#### Peking University

📅 Jan. 2022 – July. 2022

📍 Beijing, China

- Advised by Prof. Tong Yang
- Add some description here

## TEACHING EXPERIENCE

Teaching Assistant: Discrete Mathematics and Structures(I)

Fall 2023