

# Yue Lin



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## EDUCATION & EXPERIENCE

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- **The Chinese University of Hong Kong, Shenzhen** Shenzhen, China  
*PhD Student - School of Data Science* 2024.8 - Present  
Research Interests: Multi-Agent Reinforcement Learning, Information Design.
- **Tencent** Shenzhen, China  
*Research Intern - Lightspeed Studios* 2025.12 - Present
- **The Chinese University of Hong Kong, Shenzhen** Shenzhen, China  
*Research Assistant - School of Data Science* 2022.2 - 2024.8
- **Tianjin Polytechnic University** Tianjin, China  
*Bachelor of Engineering - Computer Science and Technology* 2018.9 - 2022.6
  - **School of Computer Science and Technology** 2019.9 - 2022.6  
GPA: 3.89/4 (92.2/100) Rank: 1/127
  - **School of Mechanical Engineering** 2018.9 - 2019.6  
GPA: 3.90/4 (92.0/100) Rank: 1/60

## PUBLICATIONS & PREPRINTS

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- Information Design in Multi-Agent Reinforcement Learning.  
**Yue Lin**, Wenhao Li, Hongyuan Zha, Baoxiang Wang.  
*Neural Information Processing Systems (NeurIPS) 2023*.
  - Poster. This is currently my most representative work.
  - Area: Data Science × Game Theory
- Verbalized Bayesian Persuasion.  
Wenhao Li, **Yue Lin**, Xiangfeng Wang, Bo Jin, Hongyuan Zha, Baoxiang Wang.  
*International Conference on Machine Learning (ICML) 2026*.
  - Area: Data Science × Game Theory
- Policy-Conditioned Policies for Multi-Agent Task Solving.  
**Yue Lin**, Shuhui Zhu, Wenhao Li, Dan Qiao, Ang Li, Pascal Poupart, Hongyuan Zha, Baoxiang Wang.  
*arXiv preprint*.
  - Area: Data Science × Game Theory
- The Reciprocity Gradient.  
**Yue Lin**, Pascal Poupart, Shuhui Zhu, Dan Qiao, Wenhao Li, Yuan Liu, Hongyuan Zha, Baoxiang Wang.  
*arXiv preprint*.
  - Area: Data Science × Social Science × Game Theory
- Talk, Judge, Cooperate: Gossip-Driven Indirect Reciprocity in Self-Interested LLM Agents.  
Shuhui Zhu, **Yue Lin**, Shriya Kaistha, Wenhao Li, Baoxiang Wang, Hongyuan Zha, Gillian K Hadfield, Pascal Poupart.  
*International Conference on Machine Learning (ICML) 2026*.
  - Area: Data Science × Social Science × Game Theory
- Information Bargaining: Bilateral Commitment in Bayesian Persuasion.  
**Yue Lin**, Shuhui Zhu, William A Cunningham, Wenhao Li, Pascal Poupart, Hongyuan Zha, Baoxiang Wang.  
*EC 2025 Workshop: Information Economics and Large Language Models*.
  - Area: Game Theory × Data Science
- Innovative Design and Simulation of a Transformable Robot with Flexibility and Versatility, RHex-T3.  
**Yue Lin**, Yujia Tian, Yongjiang Xue, Shujun Han, Huaiyu Zhang, Wenxin Lai, Xuan Xiao.  
*International Conference on Robotics and Automation (ICRA) 2021*.
  - Oral. Delivered a presentation at the Xi'an conference venue.
  - Area: Robotics

- A snake-inspired path planning algorithm based on reinforcement learning and self-motion for hyper-redundant manipulators.

**Yue Lin**, Jianming Wang, Xuan Xiao, Ji Qu, Fatao Qin.

*International Journal of Advanced Robotic Systems (IJARS) 2022.*

- Area: Robotics

## PATENTS

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- Communication Method, Terminal Device, and Storage Medium for Multi-Agent Reinforcement Learning (多智能体强化学习通信方法、终端设备及存储介质).

**Yue Lin**, Wenhao Li, Hongyuan Zha, Baoxiang Wang.

*Chinese Invention Patent.*

No. ZL 2023 1 0397744.0 (Grant No. CN 116455754 B), Granted Sep. 2025.

## PROFESSIONAL SERVICES

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- NeurIPS 2025 Top Reviewer
- ICML 2026 Silver Reviewer
- Independent reviewer for top-tier venues:
  - NeurIPS 2024 [6; 45615]; 2025 [5; 32912]; 2026 [0]
  - ICLR 2025 [3; 21831]; 2026 [1; 5994]
  - ICML 2025 [6; 32893]; 2026 [6; 43185]
  - TMLR 2025 [2; 38363]; 2026 [2; 10331]
- Volunteer:
  - AAMAS 2024 [3, 9876], 2025 [2, 4792], 2026 [2, 2303]
  - ICML (Position) 2025 [2, 5016]
- Numbers in brackets indicate the number of manuscripts reviewed and the character count of all reviews, respectively. Total reviews: 40.
- Served as a teaching assistant for a postgraduate course on Artificial Intelligence.