



# Ruishuo Chen (Raymond)

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## Education

### Tsinghua University

Master of Artificial Intelligence @ IIIS

Sep 2025 - Present

Beijing, China

### Nanjing University

Bachelor of Mathematics (Statistics) @ School of Mathematics

Sep 2021 - Jun 2025

Nanjing, China

- China National Scholarship, First-Class People's Scholarship
- Outstanding Student Model of Nanjing University

## Research Experience

### Proxy-Free GFlowNet [Under review]

*Ruishuo Chen, Xun Wang, Rui Hu, Zhuoran Li, and Longbo Huang*

- TD-GFN: a proxy-free framework for training GFlowNets from offline data, achieving superior efficiency and performance without out-of-dataset reward queries.

### Offline Critic-Guided Diffusion Policy for Multi-User Delay-Constrained Scheduling

[Under review] *Zhuoran Li, Ruishuo Chen, Hai Zhong, and Longbo Huang*

- SOCD: An offline reinforcement learning algorithm for multi-user delay-constrained scheduling.

### Statistical Analyses of Solar Active Region in SDO/HMI Magnetograms detected by Unsupervised Machine Learning Method DSARD [ApJS (IF=8.6)]

*Ruishuo Chen\*, Wutong Lu\*, Qi Hao, Yifan Meng, Pengfei Chen, and Chenxi Shi*

(\*equal contribution)

- DSARD: An automated unsupervised method for solar active region detection in SDO/HMI magnetograms.

### Provably and Practically Efficient Adversarial Imitation Learning with General Function Approximation [NeurIPS 2024]

*Tian Xu\*, Zhilong Zhang\*, Ruishuo Chen, Yihao Sun, and Yang Yu* (\*equal contribution)

- OPT-AIL: First provably efficient adversarial imitation learning with general function approximation.

## Internship Experience

### X-square Investment

Algorithm Intern @ Research Department

Jul 2025 - Sep 2025

Shanghai, China

- Independently proposed and implemented a formulaic Alpha factor mining algorithm.

### Nanjing Nanshu Data Operations Research Institute

Algorithm Intern

Jul 2023 - Aug 2023

Nanjing, China

- Data mining and LLM finetuning.

## Personal Interests and Characteristics

- My research is primarily focused on AI-driven Decision Making, with current interests including Reinforcement Learning (RL) and GFlowNets.
- Strong communication skills, optimistic and cheerful, with a strong self-motivation and curiosity.



2025.09 - 至今

2021.09 - 2025.06

## 教育经历

清华大学 985

人工智能 硕士 交叉信息研究院

南京大学 985

数学和统计学 本科 数学学院

- 获得：国家奖学金、南京大学优秀学生标兵

## 科研经历

Proxy-Free GFlowNet [在投]

Ruishuo Chen, Xun Wang, Rui Hu, Zhuoran Li, and Longbo Huang

- TD-GFN：一种无代理框架，用于从离线数据训练GFlowNets，无需进行数据集外的奖励查询即可实现卓越的效率和性能。

Offline Critic-Guided Diffusion Policy for Multi-User Delay-Constrained Scheduling [在投]

Zhuoran Li, Ruishuo Chen, Hai Zhong, and Longbo Huang

- SOCD：一种面向多用户时延约束调度的离线强化学习算法。

Statistical Analyses of Solar Active Region in SDO/HMI Magnetograms detected by Unsupervised Machine Learning Method DSARD [ApJS (SCI一区)]

Ruishuo Chen\*, Wutong Lu\*, Qi Hao, Yifan Meng, Pengfei Chen, and Chenxi Shi

(\*表示同等贡献)

- DSARD：一种用于SDO/HMI磁图太阳活动区检测的全自动无监督方法。

Provably and Practically Efficient Adversarial Imitation Learning with General Function Approximation [NeurIPS 2024]

Tian Xu\*, Zhilong Zhang\*, Ruishuo Chen, Yihao Sun, and Yang Yu

(\*表示同等贡献)

- OPT-AIL：首个具有可证明效率的通用函数逼近对抗模仿学习算法。

## 实习经历

上海玄信资产

2025.07 - 2025.09

算法实习生 投研

上海

- 独立提出并实现公式化Alpha因子挖掘算法。

南数数据运筹科学研究院

2023.07 - 2023.08

算法实习生

南京

- 独立负责省级比赛的数据评估与赛题验证；微调公司内部知识大模型。

## 个人兴趣与特点

- 当前兴趣集中于强化学习 (RL) 及GFlowNets等智能决策算法。
- 交流能力强，乐观开朗，有较强自驱力和好奇心。