Ruishuo Chen (Raymond)

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Education

Nanjing University   Sep 2021 - Jun 2025
Bachelor of Mathematics (Statistics) @ School of Mathematics   Nanjing, China

- Awards: Zheng Gang Elite Scholarship (Awarded to 20 students across the university)
  China National Scholarship, First-Class People's Scholarship
- Honorary Title: Outstanding Student Model of Nanjing University
  (One of two recipients in the School of Mathematics)

Tsinghua University (Pre-admission)   Sep 2025 - Present
Master of Artificial Intelligence @ IIIS   Beijing, China

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 at TON]

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 [Under review at 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

Nanjing Nanshu Data Operations Research Institute   Jul 2023 - Aug 2023
Algorithm Intern

- Independently responsible for data mining and contest verification for the new energy track of the Jiangsu Province Big Data Development and Application Contest.
- Adapted large language models to company data using two technical routes: Fine-tuning and Langchain.

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.

陈睿硕

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教育经历

南京大学 `985`   2021.09 - 2025.06

数学和统计学 本科 数学学院
- 获得奖项：国家奖学金、郑钢菁英奖学金（全校20人获得）
- 荣誉称号：南京大学优秀学生标兵（全系2人获得）

清华大学（预录取） `985`   2025.09 - 至今

人工智能 硕士 交叉信息研究院

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 Sche-duling [在投TON（CCF-A类期刊）]

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 [在投ApJS（SCI一区top,IF>8）]

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

南数数据运筹科学研究院   2023.07 - 2023.08

算法实习生
- 独立负责江苏省大数据开发与应用大赛新能源赛道的数据评估与赛题验证。
- 基于公司内部数据对ChatGLM2-6B模型进行了微调和Langchain两种技术路线的适配。

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。