



Jiarui Ji

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Education

Tongji University |Data Science from the School of Electronic and Information Engineering| *B.E.* 2019.09-2023.06

GPA: 4.86/5.00; Rank: 2/37. Outstanding Graduates from Shanghai (Top 5% in Shanghai)、**National Scholarship** (Top 0.2% Nationwide)

Renmin University of China |Gaoling School of Artificial Intelligence| *M.E.* 2023.09-2025.06

Renmin University of China |Gaoling School of Artificial Intelligence| *Ph.D. Student* 2025.09-ToDate

English: CET-6 score 633; CET-4 score 626

Intern

Megvii |*Intern/C++* 2022.04-2023.06

- **Mge-Converter**: Developed opr converter from different deep-learning engines(e.g. pytorch) in Mge-Converter, [mgeconvert](#).

Alibaba Tongyi Lab |*Intern/Research* 2024.03-2025.03

- **GAG**: Developed GraphAgent-Generator (GAG), a parallelized social graph synthesis framework leveraging agent-item bipartite modeling. First-author paper has been published in ACL-2025. [arXiv](#). [Code](#).
- **GAD**: Developed LLM-based predictive frameworks for dynamic graphs, addressing critical challenges in context-length constraints and domain variability. [arXiv](#).
- **GDGB**: Proposed GDGB, the first comprehensive benchmark for dynamic text-attributed graph (DyTAG) generation, featuring 8 text-rich graph datasets and a newly designed evaluation pipeline. [arXiv](#). [Website](#). [Code](#).

Research

SRAP-Agent |*Renmin University of China* 2023.07-2024.01

- Designed and implemented SRAP-Agent, a novel framework integrating LLMs into economic simulation for scarce public resource allocation (e.g., housing distribution in Beijing/Singapore).
- First-author paper published in EMNLP 2024. [Link](#). [Code](#)

GraphAgent-Generator (GAG) |*Renmin University of China, Alibaba Tongyi Lab* 2024.03-2025.03

- Built an LLM-agent framework to model citation network evolution, revealing mechanisms behind power-law distributions, citation deflection, and diameter shrinkage in network science.
- First-author paper published in ACL-2025. [Link](#). [Code](#).

CiteAgent |*Renmin University of China, Alibaba Tongyi Lab* 2024.03-2025.03

- Built an LLM-agent framework to model citation network evolution, revealing mechanisms behind power-law distributions, citation deflection, and diameter shrinkage in network science.
- First-author paper accepted at HSSCOMMS(SSCI Q1, AHCI Q1). [arXiv](#). [Code](#).

Graphia |*Renmin University of China, Alimama Group* 2025.03-2025.12

- Built an LLM-agent reinforcement learning-based social network graph generation framework, improving simulation effectiveness at both micro and macro levels, outperforming existing deep learning-based graph generators and LLM-based social simulators. First-author paper under review. [arXiv](#). [Code](#).

Graph Generator Survey | 项目负责人 2025.03-2025.12

- Conducted a systematic survey of graph generation models, focusing on two categories: geometric small graphs and scale-free large graphs. First-author paper under review. [arXiv](#). [Code](#).

Skills

- **Skills**: Git, GitHub, Markdown, Shell, SQL
- **Coding**: Python, C/C++, JavaScript, C#