

JUNTONG NI

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Education

Emory University

PhD Student in Computer Science

- Advisor: Dr. Wei Jin

Aug. 2024 – Present

Atlanta, USA

Shandong University

B.Eng. in Artificial Intelligence

Sept. 2020 – June. 2024

Qingdao, China

Research Interests

- Time Series Analysis
- AI for Science and Healthcare
- Large Language Models (LLMs)

Publications (*equal contribution)

Google Scholar [\[Link\]](#)

Impact: 353 citations, h-index: 9

STReasoner: Empowering LLMs for Spatio-Temporal Reasoning in Time Series via Spatial-Aware RL

*Juntong Ni, Shiyu Wang, Ming Jin, Qi He, Wei Jin. **ACL 2026 Main***

Learning Latent Hierarchical Channel Structure for High-Dimensional Time Series Forecasting

Juntong Ni, Shiyu Wang*, Zewen Liu, Xiaoming Shi, Xinyue Zhong, Zhou Ye, Wei Jin. *Arxiv**

TimeDistill: Efficient Time Series Forecasting with MLPs via Cross-Architecture Distillation

*Juntong Ni, Zewen Liu, Shiyu Wang, Ming Jin, Wei Jin. **KDD 2026***

GC4NC: A Benchmark Framework for Graph Condensation on Node Classification with New Insights.

Juntong Ni, Shengbo Gong*, Naveen Sachdeva, Carl Yang, Wei Jin. **NeurIPS 2025***

PPG-Distill: Efficient Photoplethysmography Signals Analysis via Foundation Model Distillation.

*Juntong Ni, Saurabh Kataria, Shengpu Tang, Carl Yang, Xiao Hu, Wei Jin. **NeurIPS 2025 TS4H *Spotlight****

A Comprehensive Survey of Agentic AI in Healthcare.

Juntong Ni, Gelei Xu*, Xueyang Li*, Yixiong Chen*, ..., Wei Jin, Yiyu Shi. *Journal of Biomedical Informatics**

Can Large Language Models Adequately Perform Symbolic Reasoning Over Time Series?

*Zewen Liu, Juntong Ni, Xianfeng Tang, Max SY Lau, Wei Jin. **ACL 2026 Finding***

TimeRecipe: A Time-Series Forecasting Recipe via Benchmarking Module Level Effectiveness

*Zhiyuan Zhao, Juntong Ni, Shangqing Xu, Haoxin Liu, Wei Jin, B Aditya Prakash. **ICLR 2026***

Scalable Graph Condensation with Evolving Capabilities

Shengbo Gong, Mohammad Hashemi*, Juntong Ni, Carl Yang, Wei Jin. **KDD 2026***

A Comprehensive Survey on Graph Reduction: Sparsification, Coarsening, and Condensation.

Mohammad Hashemi, Shengbo Gong*, Juntong Ni, Wenqi Fan, B Aditya Prakash, Wei Jin. **IJCAI 2024***

SeizureFormer: A Transformer Model for IEA-Based Seizure Risk Forecasting

*Tianning Feng, Juntong Ni, Ezequiel Gleichgerrcht, Wei Jin. **PSB 2026***

CAPE: Covariate-Adjusted Pre-Training for Epidemic Time Series Forecasting

*Zewen Liu, Juntong Ni, Max SY Lau, Wei Jin. *In Submission to KDD 2026**

EVER: Mitigating Hallucination in LLMs through Real-Time Verification and Rectification.

*Haoqiang Kang, Juntong Ni, Huaxiu Yao. *arXiv:2311.09114**

FREE: The Foundational Semantic Recognition for Modeling Environmental Ecosystems.

*Shiyuan Luo, Juntong Ni, Shengyu Chen, Runlong Yu, Yiqun Xie, Huaxiu Yao, Xiaowei Jia. *arXiv:2311.10255**

General Debiasing for Multimodal Sentiment Analysis.

*Teng Sun, Juntong Ni, Wenjie Wang, Liqiang Jing, Yichen Zheng, Liqiang Nie. **ACM MM 2023***

Muti-modal Emotion Recognition via Hierarchical Knowledge Distillation.

*Teng Sun, Yinwei Wei, Juntong Ni, Zixin Liu, Xueming Song, Yaowei Wang, Liqiang Nie. *Transaction on Multimedia**

Invited Book Chapter

Dataset Distillation for Enterprise Applications

Juntong Ni, Shengbo Gong, Wei Jin. In Enterprise AI, Shazia Sadiq (Eds.). Springer. Chapter 2.

Open-Source Project

- GraphSlim [\[Link\]](#) A Python toolkit of graph condensation. 2024

Awards and Honors

- Google Cloud Research Credits Award 2024
- Emory Laney Graduation School Scholarship 2024
- Zhiyang Scholarship (10 awardees per year in department) 2022
- First Class Scholarship (Top 5%) 2022
- Honorable Mention in COMAP Mathematical Contest in Modeling (Top 10%) 2022
- 1st Place in badminton men’s doubles at Shandong University Cup 2021

Teaching Experience

- Teaching Assistant for CS 334-2 Machine Learning at Emory University 2024-2025

Professional Service

Program Committee Member & Conference Reviewer

- International Conference on Machine Learning (ICML) 2026
- International Conference on Learning Representations (ICLR) 2024, 2026
- Neural Information Processing Systems (NeurIPS) 2023, 2025
- Annual AAAI Conference on Artificial Intelligence (AAAI) 2026
- American Medical Informatics Association (AMIA) 2025
- SIGKDD Conference on Knowledge Discovery and Data Mining (KDD) 2025-2026
- International Joint Conference on Artificial Intelligence (IJCAI) 2025
- The Web Conference (WWW) 2024-2025
- ICML 2026 Workshop on Structured Data for Health 2026
- Enterprise AI Book 2024
- ACM International Conference on Multimedia (ACM MM) 2023-2024
- WWW Workshop on AI for Time Series Analysis (AI4TS-25) 2025
- NeurIPS 2025 Workshop on Learning from Time Series for Health 2025

Web Chair

- KDD SciSoc LLM Workshop 2025

Journal Reviewer

- IEEE Transactions on Neural Networks and Learning Systems (TNNLS)
- IEEE Transactions on Knowledge Discovery from Data (TKDD)

Volunteer

- IEEE International Conference on Robotics and Automation (ICRA) 2025