Juntong Ni

Mail: juntong.ni@emory.edu Homepage:]ingfenggold.github.io

Education

Emory University   **Aug. 2024 – Present**
PhD Student in Computer Science   *Atlanta, USA*
- Advisor: Dr. Wei Jin

Shandong University   **Sept. 2020 – June. 2024**
B.Eng. in Artificial Intelligence   *Qingdao, China*

Research Interests

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

Publications (*equal contribution)

Google Scholar [Link]
Impact: 278 citations, h-index: **7**

STReasoner: Empowering LLMs for Spatio-Temporal Reasoning in Time Series via Spatial-Aware RL
Juntong Ni, Shiyu Wang, Ming Jin, Qi He, Wei Jin. In Submission to ACL 2026

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. In Submission to ICLR 2026*

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*, Noveen 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.

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**

TimeRecipe: A Time-Series Forecasting Recipe via Benchmarking Module Level Effectiveness
*Zhiyuan Zhao, **Juntong Ni**, Shangqing Xu, Haoxin Liu, Wei Jin, B Aditya Prakash. In Submission to ICLR 2026*

Can Large Language Models Adequately Perform Symbolic Reasoning Over Time Series?
*Zewen Liu, **Juntong Ni**, Xianfeng Tang, Max SY Lau, Wei Jin. In Submission to ACL 2026*

CAPE: Covariate-Adjusted Pre-Training for Epidemic Time Series Forecasting
*Zewen Liu, **Juntong Ni**, Max SY Lau, Wei Jin.*

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, Xuemeng 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 Learning Representations (ICLR) **2024, 2026**
- 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**
- Neural Information Processing Systems (NeurIPS) **2023, 2025**
- International Joint Conference on Artificial Intelligence (IJCAI) **2025**
- The Web Conference (WWW) **2024-2025**
- 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**