Lang Xiong · 熊浪

Ph.D. Student, Computer Science and Technology, Chongqing University

Research: Large Model Compression and Acceleration, AI Infrastructure, Spatio-temporal Big Data

GitHub: github.com/cquxl · Scholar: Google Scholar · Email: 840015412@qq.com

EDUCATION

Chongqing University **Chongqing, China**

Ph.D. Student in Computer Science and Technology

RESEARCH INTERESTS

- Efficient large language models: pruning, sparsity, calibration-aware compression, deployment-oriented acceleration.
- AI infrastructure and engineering tools for efficient model research workflows.
- Spatio-temporal big data: traffic forecasting, dynamic graph learning, Transformer-based time-series modeling.

SELECTED PUBLICATIONS

D2 Prune: Sparsifying Large Language Models via Dual Taylor Expansion and Attention Distribution Awareness

Lang Xiong, Ning Liu, Ao Ren, Yuheng Bai, Haining Fang, Binyan Zhang, Zhe Jiang, Yujuan Tan, Duo Liu. Proceedings of the AAAI Conference on Artificial Intelligence, 40(32), 27171-27179, 2026. DOI: 10.1609/aaai.v40i32.39932

Generalized Spatial-temporal Regression Graph Convolutional Transformer for Traffic Forecasting

Lang Xiong, Liyun Su, Shiyi Zeng, Xiangjing Li, Tong Wang, Feng Zhao.
Complex & Intelligent Systems, 10, 7943-7964, 2024. DOI: 10.1007/s40747-024-01578-x

Dynamic Adaptive Graph Convolutional Transformer with Broad Learning System for Multi-dimensional Chaotic Time Series Prediction

Lang Xiong, Liyun Su, Xiaoyi Wang, Chunquan Pan.
Applied Soft Computing, 157, 111516, 2024. DOI: 10.1016/j.asoc.2024.111516

SELECTED PROJECTS

- **D2Prune:** Official implementation for AAAI 2026 LLM pruning. github.com/cquxl/D2Prune
- **GSTRGCT:** Traffic forecasting with generalized spatial-temporal regression graph convolutional Transformer. github.com/cquxl/GSTRGCT
- **DAGCT-BLS:** Dynamic adaptive graph convolutional Transformer with broad learning system. github.com/cquxl/DAGCT-BLS
- **EdgeLite:** Unified compression and acceleration for edge intelligence. github.com/cquxl/EdgeLite