

Dahai Yu

 Dahai (100+ stars) |  dahai.yu@fsu.edu |  (+1)850-688-5790

EDUCATION

Ph.D. in Computer Science (GPA: **4.0/4.0**), **Florida State University** 2023 – Present
B.S. in Big Data Management and Application, **Peking University** 2019 – 2023
Honors: Third Prize Scholarship; Challenge Cup (Second Prize), **Peking University** 2021 – 2022
Honors: The Dean's Award for Doctoral Excellence, **Florida State University** 2026

SKILLS

LLM Post-Training: SFT, instruction tuning, preference optimization (DPO/RLHF), reward modeling
AI: GNNs, spatiotemporal modeling, uncertainty quantification

INTERN EXPERIENCE

X-tech (Beijing) Ltd. & Hundsun Technologies (Beijing) Inc. 2022 - 2023

Quantitative Developer Intern (Options & Backtesting)

- Built a **quantitative option analytics platform** for indicator monitoring, and strategy diagnostics.
- Designed and implemented a **backtesting pipeline** with transaction-cost modeling and risk metrics.

PUBLICATIONS

1. **[KDD'27 (submitted)] Dahai Yu**, Lin Jiang, Rongchao Xu, and Guang Wang*
TrAC: Trace-Conditioned Answer Consistency for Efficient Uncertainty Quantification in LLMs
2. **[AAAI'27 (submitted)] Dahai Yu**, Lin Jiang, Rongchao Xu, and Guang Wang*
SymboUQ: Symbolic Uncertainty Quantification for Spatial Reasoning in LLMs
3. **[KDD'26] Dahai Yu**, Rongchao Xu, Lin Jiang, and Guang Wang*
EnergyMamba: An Uncertainty-Aware Graph-Enhanced Selective State Space Model for Energy Consumption Prediction
4. **[AAAI'26] Dahai Yu**, Rongchao Xu, Dingyi Zhuang, Yuheng Bu, Shenhao Wang, and Guang Wang*
TrustEnergy: A Unified Framework for Accurate and Reliable User-level Energy Usage Prediction
5. **[IJCAI'26] Dahai Yu**, Lin Jiang, Rongchao Xu, and Guang Wang*
HealthMamba: An Uncertainty-aware Spatiotemporal Graph State Space Model for Effective and Reliable Healthcare Facility Visit Prediction
6. **[ACM SIGSPATIAL'25] Dahai Yu**, Dingyi Zhuang, Lin Jiang, Rongchao Xu, Xinyue Ye, Yuheng Bu, Shenhao Wang, and Guang Wang*.
UQGNN: Uncertainty Quantification of GNNs for Multivariate Spatiotemporal Prediction
7. **[ACM IMWUT/UbiComp'26]** Rongchao Xu, Lin Jiang, **Dahai Yu**, Ximiao Li, and Guang Wang*
SynHAT: A Two-stage Coarse-to-Fine Diffusion Framework for Synthesizing Human Activity Traces
8. **[IJCAI'25]** Lin Jiang, **Dahai Yu**, Rongchao Xu, Tian Tang, and Guang Wang*
Uncertainty-aware Predict-Then-Optimize Framework for Equitable Post-Disaster Power Restoration
9. **[Management Science (Under minor revision)]** Leng Yan, Yunxin Sang, **Dahai Yu**, Binwu Wang, and Guang Wang*
FusionTransNet for Smart Urban Mobility: Spatiotemporal Traffic Forecasting Through Multimodal Network Integration