

GUANGCHEN LI

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EDUCATION

UNIVERSITY OF MICHIGAN, ANN ARBOR

M.S. in Data Science (GPA: 3.92/4.00)

Aug 2025 – May 2027 (Expected)

Ann Arbor, MI

Coursework: Machine Learning, Causal Inference, Optimization, Natural Language Processing

RENMIN UNIVERSITY OF CHINA

B.S. in Physics (GPA: 3.53/4.00)

Sept 2021 – Jun 2025

Beijing, China

Coursework: Stochastic Processes, Partial Differential Equations, Linear Algebra, Time Series Analysis

UNIVERSITY OF CALIFORNIA, DAVIS

Visiting Student (GPA: 4.00/4.00)

Mar 2024 – Jul 2024

Davis, CA

Coursework: Economic and Financial Forecasting, Nuclear Physics, Astrophysical Application of Physics

PUBLICATIONS

- Qingmei Wang*, **GuangChen Li***, Yitian Wang*, Tianyu Huang, Junchi Yan, Hongteng Xu. *Generative Adaptation of Temporal Point Processes for Generalizable Event Sequence Prediction and Generation*. KDD 2026 Submission.

SELECTED RESEARCH EXPERIENCE

GRAPH-AWARE MONITORING AND ANOMALY DETECTION IN LLM AGENT SYSTEMS

Sept 2025 – Present

Research Assistant, Advisor: Prof. Raed Al Kontar (Industrial & Operations Engineering, UMICH)

Ann Arbor, MI

- Developed a graph-aware monitoring framework for LLM-based agentic systems, leveraging proxy telemetry and terminal outcomes for early anomaly detection and diagnosis.
- Contributed to the design of two-channel sequential detectors (CUSUM/EWMA-style) for anomaly detection in agentic workflows, monitoring both terminal degradation and out-of-control proxy dynamics.

GENERATIVE ADAPTATION OF TEMPORAL POINT PROCESSES

Oct 2025 – Mar 2026

Research Assistant, Advisor: Prof. Hongteng Xu (Gaoling School of Artificial Intelligence, RUC)

Remote

- Proposed GA-TTP for zero-shot adaptation of temporal point processes under distribution shift.
- Used diffusion-generated LoRA adapters to enable condition-specific model adaptation from side information, and validated the approach through extensive ablation and comparative experiments..
- Achieved strong out-of-distribution gains on real-world datasets (e.g., +5.6% ACC on Taxi Dataset), consistently outperforming baseline TPP models while maintaining competitive in-distribution performance..
- Resulted in a research paper currently under submission to KDD 2026 (Research Track).

DEEP LEARNING FOR PARTICLE-IN-CELL SIMULATION (BACHELOR'S THESIS)

Dec 2024 – Apr 2025

Research Assistant, Advisor: Prof. Weimin Wang (School of Physics, RUC)

Beijing, China

- Replaced the Poisson solver in a 1D PIC framework with MLP and CNN-MLP models for neural field prediction.
- Built a data pipeline using a standard PIC solver to generate paired phase-density and electric-field data for supervised learning.
- Achieved $\sim 10^{-3}$ MSE and reproduced two-stream instability with acceptable energy and momentum conservation behavior.
- Identified failure modes including energy drift and instability under non-instability parameter settings.

SELECTED INDUSTRY EXPERIENCE

GUOSEN SECURITIES CO., LTD. | Research Analyst Intern, Fixed Income Investment Department

Oct 2024 – Jan 2025

- Developed ARIMA/LSTM-based forecasts and a DQN trading framework (5k+ episodes with experience replay), incorporating volatility-aware rewards and achieving $\sim 5\%$ in-sample and 4% out-of-sample excess returns.

GUOTAI HAITONG SECURITIES CO., LTD. | Winter Intern, Investment Banking Department

Dec 2023 – Feb 2024

- Conducted IPO due diligence for Jiangsu Kangrui New Material Technology Co., Ltd., analyzing financials and ownership structure, assessing shareholder and competition risks, and contributing to prospectus drafting.

MENTORING

- Kate Jung (M.S., University of Michigan, Ann Arbor) 2025 – 2026
- Yiling Chen (Undergrad, University of Michigan, Ann Arbor) 2025 – 2026

SKILLS

Languages Mandarin (Native), English (TOEFL 102, GRE 326, Fluent)

Programming Python (PyTorch, NumPy, Pandas), C++, R; Tools: Git, Linux, LaTeX