

Liqin Ye

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EDUCATION

- **Georgia Institute of Technology** Atlanta, GA, USA
Ph.D. in Machine Learning Aug 2024 - Present
M.S. in Computer Science Aug 2023 - Dec 2025
 - GPA: 3.80/4.00
 - **Core Courses:** Mathematical Foundation of Machine Learning, Deep Learning for Text, Advanced NLP, Convex Optimization, Data-centric ML, Probabilistic Graphical Models, Computational Data Analysis
 - **Advisor:** Dr. Sudheer Chava
- **University of California, Irvine** Irvine, CA, USA
B.S. in Computer Science Aug 2019 - Jun 2023
 - GPA: 3.95/4.00 (Magna Cum Laude)
 - **Core Courses:** Deep Generative Models, Deep Learning, Graph Algorithms, Formal Language & Automata
 - **Advisor:** Dr. Stephan Mandt

PUBLICATIONS

1. Liqin Ye, Agam Shah, Chao Zhang, Sudheer Chava. **Calibrating Pre-trained Language Classifiers on LLM-generated Noisy Labels via Iterative Refinement**. In *Proceedings of the 31st ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD)*, 2025.
2. Agam Shah, Liqin Ye, Sebastian Jaskowski, Wei Xu, Sudheer Chava. **Beyond the Reported Cutoff: Where Large Language Models Fall Short on Financial Knowledge**. *arxiv preprint, under review*, 2025.
3. Agam Shah, Siddhant Sukhani, Huzaifa Pardawala, Saketh Budideti, et al. **Words That Unite The World: A Unified Framework for Deciphering Central Bank Communications Globally**. *arxiv preprint*, 2025.

EXPERIENCE

- **Georgia Institute of Technology** May 2024 - Present
Graduate Teaching & Research Assistant
Supervisor: Sudheer Chava
- **Texera** Jun 2022 - Aug 2022
Software Developer
Mentor: Sadeem Alsudais, Supervisor: Chen Li
- **XYZ Robotics** Jun 2021 - Aug 2021
Full-Stack Software Developer Intern
Mentor: Michael Su, Supervisor: Jiaji Zhou

PROJECT

- **Precise Attribute Intensity Control in LLMs via Targeted Representation Editing** Nov 2024 - May 2025
Mentor: Rongzhi Zhang, Supervisor: Chao Zhang, Sudheer Chava
Atlanta, GA, USA
 - Developed test-time Pareto frontier approximation algorithm, reducing 8x computational overhead.
 - Implemented TD- λ training for a lightweight value function to approximate the LLM hidden state's reward.
 - Applied trained value function to perform multi-attribute intensity intervention at test-time, achieving 7.73% success rate and 76.47% improvement margin.
 - Co-first authored paper to submit to **NeurIPS 2025**.
- **Generating Spatial Convective Structure via Diffusion Model** Nov 2023 - Mar 2024
Mentor: Prakhhar Srivastava, Supervisor: Stephan Mandt
Irvine, CA, USA
 - Implemented Elucidated Diffusion Model to generate spatial convective structures from Atmospheric Information.
 - Achieved **~100 times** acceleration by substituting expensive and time-intensive cloud-resolving models with lightweight and efficient neural networks.
 - Authored a research poster and presented at the **Scientific ML Symposium 2023** in San Diego.

SKILLS

- **Programming Languages:** Python, C/C++, JavaScript, TypeScript, SQL, Scala
- **Data Science & Deep Learning:** PyTorch, Matplotlib, Pandas, Numpy, Flask, Jupyter
- **Language:** Mandarin (Naive), English (Bilingual)
- **Passions:** Snowboarding, Basketball, Calligraphy, Photography

SERVICES

- **Teaching:** MGT 8997 AI in Finance, ICS 45C Program in C++
- **Program Committee/Reviewers:** KDD 2025, ICLR 2025, NeurIPS 2024, ACL 2024, EMNLP 2024, Computational Economics
- **Conference:** AI and Future of Finance (Setup, Poster Session)

HONORS AND AWARDS

- UC Irvine ICS Honor Student

Jun 2023