Liqin Ye

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Address: CODA Building E1651, 756 W Peachtree St NW, Atlanta, GA 30308, USA

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*, 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 — Atlanta, GA, USA
  Supervisor: *Sudheer Chava*

- **Texera** — *Jun 2022 - Aug 2022*
  Software Developer — Irvine, CA, USA
  Mentor: *Sadeem Alsudais*, Supervisor: *Chen Li*

- **XYZ Robotics** — *Jun 2021 - Aug 2021*
  Full-Stack Software Developer Intern — Shanghai, China
  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: *Prakhar 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, Juypter
- **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*