# KENAN JIANG

Anticipated Graduation: May 2029
Location: Atlanta, GA | San Jose, CA
Availability: May 2027 - Aug 2027

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## EDUCATION

8/2024 - Present **Emory University**
Ph.D. in Computer Science
Advisor: Prof. Li Xiong
Research Focus: Efficient, Safe, and Privacy-Preserving LLM Agents

8/2017 - 5/2021 **University of California, Berkeley**
B.A. in Computer Science and Applied Mathematics (double major)

## SELECTED PUBLICATIONS

Reason-Intensive Retrieval **SkillQR: Agentic Skill Discovery for Reason-Intensive Query Rewriting** ***Preprint***
***Kenan Jiang****, Meixiu Long, Zihao Zhang, Ran Xu, Eugene Agichtein, Fei Liu*
SkillQR is an agentic query rewriting framework for search systems that discovers and applies task-relevant skills to refine complex, ambiguous queries. Its corpus-oriented retrieval approach avoids the resource-intensive synthetic data generation and model fine-tuning used by prior methods.

Multi-agent LLMs **HARBOR: Exploring Persona Dynamics in Multi-Agent Competition** ***AACL 2025***
***Kenan Jiang****, Li Xiong, Fei Liu*
HARBOR is a realistic housing-auction testbed for studying rational decision-making in persona-driven LLM agents. It reveals how persona prompts can induce irrational decisions, highlighting potential risks amid growing enthusiasm for incorporating personas into AI systems.

Vision-Language Model **ComCLIP: Training-Free Compositional Image and Text Matching** ***NAACL 2024***
***Kenan Jiang****, Xuehai He, Ruize Xu, Xin Wang*
ComCLIP is a training-free method that decomposes images into subject, object, and action regions for compositional image-text matching, improving zero-shot performance across compositional benchmarks without model fine-tuning.

Deep Learning Optimization **Wavelet: Efficient DNN Training with Tick-Tock Scheduling** ***MLSys 2021***
*Guanhua Wang, Kehan Wang,* ***Kenan Jiang****, Xiangjun Li, Ion Stoica*
Wavelet is a distributed-training system that interleaves peak GPU-memory demand through tick-tock scheduling, accelerating DNN training by up to 6.7× over conventional parallelism techniques.

## INDUSTRY EXPERIENCE

5/2026-8/2026 **LLM Agent R&D Intern | BOSCH USA** **Sunnyvale**
- Researched recursive self-improving agents for iterative software-engineering improvement.
- Developed a novel evolutionary algorithm for coding agents; patent pending.

5/2025-8/2025 **AI Intern | PRGX Global Inc.** **Atlanta**
- Built a robust backend pipeline to migrate legal documents into Elasticsearch, enabling contextual vector search while accounting for failures, timing, and refresh rates.
- Authored comprehensive documentation and operational standards to enable seamless maintenance and handoff.

7/2021 - 11/2023 **ML Software Engineer | Linqia, Inc.** **San Francisco**
- Built a dense retrieval-based search service, achieving a 5x expansion in search results.
- Built and monitored API services that delivered data visualizations to the frontend across 5,000+ search results.

## SERVICE & HONORS

**Reviewer:** ACL SRW 2024; ARR May 2026

**Honors:** AI Safety Fellowship at Georgia Tech (Fall 2026); Tinker Research Grant ($5K); Emory M.S. CS Scholarship

**Teaching Assistant:** Graduate-Level NLP Course at Emory (Fall 2025, Spring 2026, Fall 2026)