KENAN JIANG

Anticipated Graduation: 05/29

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EDUCATION

8/2024 - Present **Emory University**
PhD, Computer Science.
Research Interests: LLM Agents, Information Retrieval, Multi-agent Workflow
Advisor: Dr. Fei Liu

8/2017 - 5/2021 **University of California, Berkeley**
BA in Computer Science; BA in Applied Mathematics

PROFESSIONAL SKILLS

Tools: Pytorch, Java, DSPy, Autogen, LLaMA-Factory, LangChain, Sklearn, Flask, PostgreSQL

Platforms: Pinecone, Kubernetes, ElasticSearch, Kafka

RESEARCH

1/2026 – Present **Contextual Privacy in Multi-agent Collaboration** **Emory University, Supervisor: Dr. Li Xiong**

- Study contextual privacy leakage in multi-agent communication and debate.
- Design a LLM data augmentation pipeline to mitigate complex-query training shortage.

8/2025 – Present **Reason-intensive Information Retrieval** **Emory University**

- Design a multi-agent query expansion system for real-world complex queries.
- Design a LLM data augmentation pipeline to mitigate complex-query training shortage.

6/2022 – 3/2024 **Fine-grained Image-Text Matching** **UC Santa Cruz, Supervisor: Dr. Xin (Eric) Wang**

- Created a benchmark for vision-language models' ability in fine-grained image-text matching.
- Designed an ensemble inference technique to improve zero-shot image-text matching accuracy by 2% across multiple benchmarks.

INDUSTRY EXPERIENCE

5/2025-8/2025 **AI Intern** **PRGX Global Inc.**

- Developed a Python-based data migration pipeline to ingest documents into Elasticsearch Vector Database, enabling efficient vector search and retrieval.
- Established testing protocols and documentation standards to improve consistency and collaboration across the engineering team.

7/2021 - 11/2023 **Full-Time ML Software Engineer** **Linqia, Inc.**

- Leveraged Pinecone to develop a content similarity search feature, achieving a 5x expansion in search results.
- Employed FastAPI to create API services for delivering data visualizations to the frontend, supporting over 5,000 search results.

SCHOLARLY WORKS

Multi-agent LLM **HARBOR: exploring persona dynamics in multi-agent competition** **arxiv URL**
Kenan Jiang, *Li Xiong, Fei Liu*
AACL 2025

Vision-Language Model **ComCLIP: Training-Free Compositional Image and Text Matching** **arxiv URL**
Kenan Jiang, *Xuehai He, Ruize Xu, Xin Eric Wang*
NAACL 2024

Deep Learning Optimization **Wavelet: Efficient DNN training with tick-tock scheduling** **arxiv URL**
Guanhua Wang, Kehan Wang, ***Kenan Jiang****, Xiangjun Li, Ion Stocia*
MLSys 2021