Yiqiao Jin (Ahren)

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CONTACT

Georgia Institute of Technology
Atlanta, GA 30332
go_bruins
AhrenJin
(+86)189-1119-7743
(470)962-0241

ahren09.github.io/
linkedin.com/in/ahren-jin/
Google Scholar: s_AZwbYAAAAJ
github.com/Ahren09
yjin328@gatech.edu
ahren2040@g.ucla.edu

RESEARCH INTERESTS

- Large Language Models, Multimodal Learning, Graph Neural Networks, Computational Social Science.

EDUCATION

Georgia Institute of Technology Aug. 2022 – May 2027 (Expected)

- Ph.D., Computer Science. GPA: **4.0/4.0**

University of California, Los Angeles (UCLA) Sep. 2018 – Dec. 2021

- B.S., Computer Science. GPA: **3.82/4.0**. Major GPA: **3.92/4.0**.

RESEARCH EXPERIENCE

Georgia Tech College of Computing, School of CSE Aug 2022 – Present
Graduate Research Assistant Atlanta, GA
Advisor: Dr. Srijan Kumar

- Research Topics: Large Language Models (WebConf'24), Multimodal Models, Social Network Analysis (KDD'23), Dynamic Graph Neural Networks (KDD'23).

Microsoft Research Asia (MSRA), Social Computing Group Dec. 2020 – July 2022
Research Intern Beijing, China
Advisor: Dr. Xiting Wang and Dr. Xing Xie

- Research Topics: Language Modeling (ICML'23, AAAI'23), Misinformation Detection (KDD'22, AAAI'22), Learning in Low-Resource (Limited Data) Scenarios (AAAI'23), Explainable AI (AAAI'22).

UCLA Scalable Analytics Institute (ScAi) June 2021 – June 2022
Undergraduate Research Assistant Los Angeles, CA
Advisor: Dr. Yizhou Sun and Dr. Wei Wang

- Research Topics: Graph-Based Recommender Systems (WWW'23).

PUBLICATIONS

In Proceedings

- **Yiqiao Jin**, Yeon-Chang Lee, Kartik Sharma, Meng Ye, Karan Sikka, Ajay Divakaran, Srijan Kumar. *Predicting Information Pathways Across Online Communities.* In Proceedings of the 29th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD'23). **Oral Presentation**. Acceptance rate: 22.1%.
- **Yiqiao Jin**, Yunsheng Bai, Yanqiao Zhu, Yizhou Sun, Wei Wang. *Code Recommendation for Open Source Project Developers.* In Proceedings of the ACM Web Conference 2023. Acceptance rate: 19.2%
- **Yiqiao Jin**, Xiting Wang, Yaru Hao, Yizhou Sun, Xing Xie. *Prototypical Fine-tuning: Towards Robust Performance Under Varying Data Sizes.* In Proceedings of the 37th AAAI Conference (AAAI'23). **Oral Presentation**. Acceptance rate: 19.6%.
- **Yiqiao Jin**, Xiting Wang, Ruichao Yang, Yizhou Sun, Wei Wang, Hao Liao, Xing Xie. *Towards Fine-Grained Reasoning for Fake News Detection.* In Proceedings of the 36th AAAI Conference (AAAI'22). **Oral Presentation**. Acceptance rate: 14.6%.
- Changyu Chen, Xiting Wang, **Yiqiao Jin**, Victor Ye Dong, Li Dong, Rui Yan, Jim Cao, Yi Liu. *Semi-Offline Reinforcement Learning for Optimized Text Generation.* In Proceedings of the 40th International Conference on Machine Learning (ICML 2023). Acceptance rate: 27.9%.
- Ruichao Yang, Xiting Wang, **Yiqiao Jin**, Chaozhuo Li, Jianxun Lian, Xing Xie. *Reinforcement Subgraph Reasoning for Fake News Detection.* In Proceedings of the 28th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD'22). Acceptance rate: 14.9%.

Under Review

- **Yiqiao Jin***, Mohit Chandra*, Gaurav Verma, Yibo Hu, Munmun De Choudhury, Srijan Kumar. *Better to Ask in English: Cross-Lingual Evaluation of Large Language Models for Healthcare Queries.* Under Review at The Web Conference 2024.
- Yijia Xiao, **Yiqiao Jin**, Yushi Bai, Yue Wu, Xianjun Yang, Xiao Luo, Wenchao Yu, Xujiang Zhao, Yanchi Liu, Haifeng Chen, Wei Wang, Wei Cheng. *Large Language Models Can Be Good Privacy Protection Learners.* Under Review at the 12th International Conference on Learning Representations (ICLR'24).
- Neng Kai Nigel Neo, Yeon-Chang Lee, **Yiqiao Jin**, Sang-Wook Kim, Srijan Kumar. *Towards Fair Graph Anomaly Detection: Problem, New Datasets, and Evaluation.* Under Review at the 12th International Conference on Learning Representations (ICLR'24).

In Preparation

- **Yiqiao Jin**, Andrew Zhao, Yeon-Chang Lee, Meng Ye, Ajay Divakaran, Srijan Kumar. *Visualizing Dynamic Graph Embedding Trajectories.* In Preparation.

Professional Experience

Amazon.com, Fulfillment By Amazon (FBA) June 2020 – Sep. 2020
Software Engineer Intern Seattle, USA

- Created IAR Manual Analysis, an AWS Step Functions workflow that uses AWS Lambda to aggregate datapoints from various data sources (S3, DynamoDB) for SageMaker ML model training, and handles $\geq$ 16,000 requests per summary stage.
- Achieved automatic deployment of the workflow to all AWS Realms (EU/FE/NA) through CloudFormation. Promoted public usage of datasets by establishing DataCraft pipeline to load DynamoDB into Andes dataset catalog.
- Optimized performances of the inventory reconciliation model through ablation analysis.

IBM, China Development Laboratories June 2019 – Sep. 2019
Software Engineer Intern Beijing, China

- Created "Compass DataRouter," a routing service for "Compass" project based on Golang and MongoDB, reducing memory usage and accelerating data retrieval.
- Refined the monitor dashboard of the "Compass" project using React.js.

Services

- Area Chair: ICLR'23 Tiny Paper
- PC Member/Reviewer
  - **Conferences**:
    - AAAI'24, AAAI'23;
    - AISTATS'24;
    - ASONAM'23;
    - CIKM'23;
    - EMNLP'23;
    - ICLR'24, ICLR'23 Tiny Paper;
    - KDD'23;
    - LoG'23;
    - NeurIPS'23, NeurIPS'23 Datasets & Benchmarks Track.
  - **Journals**:
    - ACM Transactions on Information Systems (TOIS);
    - ACM Transactions on Knowledge Discovery from Data (TKDD);
    - IEEE Transactions on Knowledge and Data Engineering (TKDE);
    - ACM Transactions on Recommender Systems (TORS);
    - ACM Transactions on Social Computing (TSC);
    - PLOS ONE
    - SCIENCE CHINA Information Sciences (SCIS).
    - International Journal of Data Science and Analytics (JDSA);
  - **Workshops**
    - AFT@NeurIPS2023, Ai4Science@NeurIPS2023, Ai4D3@NeurIPS2023, GenBio@NeurIPS2023, TGL Workshop@NeurIPS2023;
    - SPIGM@ICML2023.

Honors and Awards

- AAAI Student Scholarship. 2022, 2023
- Microsoft Research "Star of Tomorrow" Award of Excellence. 2021
- UCLA Dean's Honor List for Superior Academic Achievement. 2019 – 2021
  - 5 times: Spring 2019, Winter 2020, Spring 2020, Winter 2021, Spring 2021