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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
Advisor: Dr. Srijan Kumar

- Research Topics: Large Language Models (WebConf’24, ACL’24), Multimodal Models (ACL’24), Recommender Systems & Dynamic Graph Neural Network (KDD’23), Social Network Analysis (CIKM’24, KDD’23).

Adobe Research May 2024 – Aug 2024
Research Scientist Intern
Advisor: Dr. Gang Wu, Dr. Yu Shen, Dr. Stefano Petrangeli

- Research Topics: Multimodal Large Language Models (MLLMs), Video Tutorial Understanding.

Microsoft Research Asia (MSRA), Social Computing Group Dec. 2020 – July 2022
Research Scientist Intern
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
Advisor: Dr. Yizhou Sun and Dr. Wei Wang

- Research Topics: Recommender Systems (WWW’23), Graph Neural Networks and Data Mining (WWW’23), Large Language Models (under review at NAACL’24).

PUBLICATIONS

In Proceedings

- Yiqiao Jin**, Minje Choi, Gaurav Verma, Jindong Wang, Srijan Kumar. *MM-Soc: Benchmarking Multimodal Large Language Models in Social Media Platforms*. In Proceedings of ACL 2024 and the 3rd Workshop on Advances in Language and Vision Research (ALVR 2024).
- 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*. In Proceedings of the Web Conference 2024 (TheWebConf’24). **Oral Presentation**. Acceptance rate: 20.2%.
- 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%.
- Qinlin Zhao, Jindong Wang, Yixuan Zhang, **Yiqiao Jin**, Kaijie Zhu, Hao Chen, Xing Xie. *CompeteAI: Understanding the Competition Behaviors in Large Language Model-based Agents*. In Proceedings of the 41st International Conference on Machine Learning (ICML 2024). Acceptance rate: 27.5%.
- Jinghan Zhang, Xiting Wang, **Yiqiao Jin**, Changyu Chen, Xinhao Zhang, Kunpeng Liu. *Prototypical Reward Network for Data-Efficient RLHF*. In Proceedings of ACL 2024. **Oral Presentation**. Acceptance rate: 20.0%.
- 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%.

Preprints

- **Yiqiao Jin***, Qinlin Zhao*, Yiyang Wang, Hao Chen, Kaijie Zhu, Yijia Xiao, Jindong Wang. *MM-Soc: Benchmarking Multimodal Large Language Models in Social Media Platforms*.
- Sejoon Oh, **Yiqiao Jin**, Megha Sharma, Donghyun Kim, Gaurav Verma, Srijan Kumar. *LLaVA-Guard: Multimodal Safety Guardrails for Jailbreak Attacks on Multimodal Large Language Models*.
- Varun Vankineni, Sai Prasath Suresh, Gaurav Verma, **Yiqiao Jin**, Xiaojing Wang, Rajarajeswari Balasubramaniyan, Srijan Kumar. *Investigating the Effect of Automated vs. Human-Verified Adversarial Samples on Improving the Robustness of LLMs*.
- 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*.
- Neng Kai Nigel Neo, Yeon-Chang Lee, **Yiqiao Jin**, Sang-Wook Kim, Srijan Kumar. *Towards Fair Graph Anomaly Detection: Problem, New Datasets, and Evaluation*.
- Chengyuan Deng, Yiqun Duan, Xin Jin, Heng Chang, Yijun Tian, Han Liu, Henry Peng Zou, **Yiqiao Jin**, Yijia Xiao, Yichen Wang, Shenghao Wu, Zongxing Xie, Kuofeng Gao, Sihong He, Jun Zhuang, Lu Cheng, Haohan Wang. *Deconstructing The Ethics of Large Language Models from Long-standing Issues to New-emerging Dilemmas*.

PROFESSIONAL EXPERIENCE

Amazon.com, Fulfillment By Amazon (FBA)

Software Engineer Intern

June 2020 – Sep. 2020

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

Software Engineer Intern

June 2019 – Sep. 2019

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;
 - * ACL'24
 - * AISTATS'24;
 - * ASONAM'24/23;
 - * CIKM'23;
 - * EMNLP'24/23;
 - * ICLR'24, ICLR'24/23 Tiny Paper;
 - * ICML'24;
 - * KDD'24, KDD'23;
 - * LoG'24/23/22;
 - * NeurIPS'24/23, NeurIPS'24/23 Datasets & Benchmarks Track;
 - * SDM'24;
 - * WebConf'24.
 - **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 Intelligent Systems and Technology (TIST);
 - * ACM Transactions on Social Computing (TSC);
 - * IEEE Transactions on Artificial Intelligence (TAI);
 - * PLOS ONE;
 - * International Journal of Data Science and Analytics (JDSA);
 - * SCIENCE CHINA Information Sciences (SCIS).
 - **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