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RESEARCH INTERESTS	<ul style="list-style-type: none"> <li>Data Mining, Social Network Analysis, Graph Mining, Computational Social Science, Misinformation Detection.</li> </ul>	
EDUCATION	<b>Georgia Institute of Technology</b> • Ph.D., Computer Science. GPA: <b>4.0/4.0</b> <b>University of California, Los Angeles (UCLA)</b> • B.S., Computer Science. GPA: <b>3.82/4.0</b> . Major GPA: <b>3.92/4.0</b> .	Aug. 2022 – May 2027 (Expected) Sep. 2018 – Dec. 2021
RESEARCH EXPERIENCE	<b>Georgia Tech College of Computing</b> <i>Graduate Research Assistant</i> Advisor: Dr. Srijan Kumar • Research Topics: Social Network Analysis, Dynamic Graphs, Misinformation Detection, Graph Mining. • Model cross-platform information propagation through graph-based embedding approaches. • Design models based on dynamic graphs to predict the propagation of online visual contents. <b>Microsoft Research Asia (MSRA), Social Computing Group</b> <i>Research Intern</i> Advisor: Dr. Xiting Wang and Dr. Xing Xie • Research Topics: Explainable AI, Language Modeling, Misinformation Detection, Graph Mining, Learning in Low-Resource (Limited Data) Scenarios. • Published 2 papers on Fake News Detection at AAAI'22 and KDD'22. • Published 1 paper on robust language model fine-tuning under low-resource scenarios at AAAI'23. • Designed "FinerFact", a fine-grained reasoning framework for fake news detection that follows the human's information-processing model. • Improve existing misinformation datasets with fine-grained social information (propagation networks, user metadata) to facilitate research in misinformation. • Delivered multiple talks on fact-checking, misinformation detection, and reasoning with graph-based approaches to MSRA SC Group and Microsoft Research, Redmond. <b>UCLA Scalable Analytics Institute (ScAi)</b> <i>Undergraduate Research Assistant</i> Advisor: Dr. Yizhou Sun and Dr. Wei Wang • Research Topics: Graph-Based Recommender Systems for Open Source Software (OSS). • Constructed 3 datasets for code recommendation based on GitHub contribution and star relations to facilitate research on OSS. The datasets incorporate multi-modal information, including heterogeneous graph nodes (GitHub repositories, users, issues, pull requests, comments) and relations (star, fork, watch, contribute, follow). • Designed CODER, a graph-based framework for code recommendation based on multimodal signals for open source developers. Performed fine-grained analysis of OSS contribution networks through networkx and Gephi.	Aug 2022 – Present Atlanta, GA Dec. 2020 – Aug. 2022 Beijing, China June 2021 – June 2022 Los Angeles, CA

PUBLICATIONS	<ul style="list-style-type: none"><li>• <b>Yiqiao Jin</b>, Yeon-Chang Lee, Kartik Sharma, Meng Ye, Karan Sikka, Ajay Divakaran, Srijan Kumar. Predicting Information Pathways Across Online Communities. <i>Under Review. Submitted to the 29th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD’23).</i></li><li>• Changyu Chen, Xiting Wang, <b>Yiqiao Jin</b>, Victor Ye Dong, Li Dong, Rui Yan, Jim Cao, Yi Liu. Semi-Offline Reinforcement Learning for Optimized Text Generation. <i>Under Review. Submitted to ICML2023.</i></li><li>• Ruichao Yang, Jing Ma, Hongzhan Lin, <b>Yiqiao Jin</b>, Zhiwei Yang and Wei Gao. Social Context Assisted Fake News Detection by Spotting Sentence-level Misinformation via Weakly Supervised Learning. <i>Under Review. Submitted to ACL2023.</i></li><li>• <b>Yiqiao Jin</b>, Yunsheng Bai, Yanqiao Zhu, Yizhou Sun, Wei Wang. Code Recommendation for Open Source Project Developers. <i>In Proceedings of the ACM Web Conference 2023. Acceptance rate: 19.2%</i></li><li>• <b>Yiqiao Jin</b>, Xiting Wang, Yaru Hao, Yizhou Sun, Xing Xie. Prototypical Fine-tuning: Towards Robust Performance Under Varying Data Sizes. <i>In Proceedings of the 37th AAAI Conference (AAAI’23). Oral Presentation.</i> Acceptance rate: 19.6%</li><li>• <b>Yiqiao Jin</b>, Xiting Wang, Ruichao Yang, Yizhou Sun, Wei Wang, Hao Liao, Xing Xie. Towards Fine-Grained Reasoning for Fake News Detection. <i>In Proceedings of the 36th AAAI Conference (AAAI’22). Oral Presentation.</i> Acceptance rate: 14.6%</li><li>• Ruichao Yang, Xiting Wang, <b>Yiqiao Jin</b>, Chaozhuo Li, Jianxun Lian, Xing Xie. Reinforcement Subgraph Reasoning for Fake News Detection. <i>In Proceedings of the 28th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD’22).</i> Acceptance rate: 14.9%</li></ul>
PROFESSIONAL EXPERIENCE	<div><div><b>Amazon.com, Fulfillment By Amazon (FBA)</b> <i>Software Engineer Intern</i></div><div>June 2020 – Sep. 2020 Seattle, USA</div><ul style="list-style-type: none"><li>• 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 <math>\geq 16,000</math> requests per summary stage.</li><li>• 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.</li><li>• Optimized performances of the inventory reconciliation model through ablation analysis.</li></ul></div> <div><div><b>IBM, China Development Laboratories</b> <i>Software Engineer Intern</i></div><div>June 2019 – Sep. 2019 Beijing, China</div><ul style="list-style-type: none"><li>• Created “Compass DataRouter,” a routing service for “Compass” project based on Golang and MongoDB, reducing memory usage and accelerating data retrieval.</li><li>• Refined the monitor dashboard of the “Compass” project using React.js. Achieved continuous integration through Docker.</li></ul></div>
SERVICES	<ul style="list-style-type: none"><li>• PC Member, 37th AAAI Conference (AAAI-23). Aug. 2022</li><li>• Reviewer, ACM Transactions on Recommender Systems (TORS). June. 2022</li><li>• Reviewer, International Journal of Data Science and Analytics (JDSA). Jan. 2022</li><li>• Reviewer, ACM Transactions on Social Computing (TSC). Oct. 2021</li></ul>
HONORS AND AWARDS	<ul style="list-style-type: none"><li>• AAAI-22 Student Scholarship. Jan. 2022</li><li>• Microsoft Research “Star of Tomorrow” Award of Excellence. Sep. 2021</li><li>• UCLA Dean’s Honor List for Superior Academic Achievement. June 2019 – July 2021<ul style="list-style-type: none"><li>◦ 5 times: Spring 2019, Winter 2020, Spring 2020, Winter 2021, Spring 2021</li></ul></li></ul>