Jiaming Qu

jiaming@unc.edu · https://jiamingqu.com/ · 919-945-4972

Research Interests

Interpretable Machine Learning, Human-AI Interaction, Information Retrieval

Education

2019 – Present	**University of North Carolina at Chapel Hill** Ph.D. in Information Science Advisors: Dr. Yue Wang & Dr. Jaime Arguello
2017 – 2019	**University of North Carolina at Chapel Hill** M.S. in Information Science
2013 – 2017	**Nanjing Forestry University** B.S. in Information Management and Information System

Publications

FAccT 2024	Why is "Problems" Predictive of Positive Sentiment? A Case Study of Explaining Unintuitive Features in Sentiment Classification Jiaming Qu, Jaime Arguello, Yue Wang
CHIIR 2023	Understanding the Cognitive Influences of Interpretability Features on How Users Scrutinize Machine-Predicted Categories Jiaming Qu, Jaime Arguello, Yue Wang
FAccT 2022 (Doctoral Consortium)	New Frontier of Interactive and Interpretable Machine Learning Jiaming Qu
CIKM 2021	A Study of Explainability Features to Scrutinize Faceted Filtering Results Jiaming Qu, Jaime Arguello, Yue Wang
ECIR 2021	A Deep Analysis of an Explainable Retrieval Model for Precision Medicine Literature Search Jiaming Qu, Jaime Arguello, Yue Wang
SIGIR 2020	Towards Explainable Retrieval Models for Precision Medicine Literature Search Jiaming Qu, Jaime Arguello, Yue Wang
TREC 2019 (tech report)	UNC SILS at TREC 2019 Precision Medicine Track Jiaming Qu, Yue Wang
TREC 2019 (tech report)	UNC SILS at TREC 2019 News Track Jiaming Qu, Yue Wang

PEARC 2018	Should I Invest it? Predicting Future Success of Yelp Restaurants Xiaopeng Lu, Jiaming Qu, Yongxing Jiang, Yanbing Zhao

Position of Responsibility

Sep 2019 – Present	**School of Information and Library Science, UNC Chapel Hill** Graduate Research Assistant
May 2023 – Aug 2023	**Local Information, Amazon Alexa AI** Applied Scientist Intern
May 2022 – Aug 2022	**Local Information, Amazon Alexa AI** Applied Scientist Intern

Services

PC Member or Reviewer	SIGIR'24, CHI'24, ICTIR'23, WWW'23
Volunteer	WWW'23, CHIIR'23

Honors and Scholarships

2023	SIGIR Student Travel Grant
2021	SIGIR Student Travel Grant
2020	SIGIR Student Travel Grant
2019 – 2022	Asheim Fellowship (from UNC School of Information and Library Science)
2019	Dean's Achievement Award for the best Master's Thesis (2 out of 95)
2017	Outstanding Bachelor's Thesis (top 3%)

Technical Skills

Programming languages
Python, Java, R, SQL, PHP, JavaScript, Shell script

Software
LaTeX, Git, Lucene, Solr, Lemur Ranklib

References

Academic Advisor	**Yue Wang** wangyue@unc.edu
Academic Advisor	**Jaime Arguello** jarguello@unc.edu