

# Yuli LIU (刘玉利)

**Lecturer,**

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**Gender:** Male

## Research Interests

- User Behavior Analysis, Spam Detection, Recommendation
- Information Retrieval, Machine Learning

## Recent Professional Activities

- Reviewer: KDD, TheWebConf, ACML
- Area Chair: ACM MM 2024

## Education

2014.09- 2017.06	<b>Tsinghua University</b> M.S. in Computer Science and Technology Advisor: Prof. Yiqun LIU
2019.09 – 2023.11	<b>The Australian National University</b> PhD. in College of Engineering and Computer Science Advisor: Prof. Lexing XIE

## Work Experience

2017.03- 2017.06	<b>Alibaba Group, Hangzhou, China</b> Research Intern Detecting spamming activities in e-commerce
2017.08 – 2019.08	<b>Qinghai University</b> Faculty Position Teaching graduate and undergraduate courses
2020.05 – 2020.07	<b>Alibaba Group, Hangzhou, China</b> Research Intern Mining user search intent

## Teaching

**Qinghai University:** University of 211 project

- Artificial Intelligence and Machine Learning (Spring 24)
- Fundamentals of Programming (Spring 24)

## Publications

1. **Yuli Liu**, Christian Walder, and Lexing Xie. Learning  $k$ -Determinantal Point Process for Recommendation, Full Paper. The 40th IEEE International Conference on Data Engineering, **ICDE 2024**.
2. **Yuli Liu**, Christian Walder, Lexing Xie, Yiqun Liu. Probabilistic Attention for Sequential Recommendation, Full Paper. Proceedings of the 29th ACM SIGKDD Conference on Knowledge Discovery and Data Mining, **KDD 2024**.
3. **Yuli Liu**, Christian Walder, and Lexing Xie. Structured Determinantal Point Process for Temporal Sets Prediction. CIKM2024 (**CCF B**)
4. **Yuli Liu**. Pay Attention to Attention: Attention Weight Refinement for Sequential Recommendation. RecSys 2024 (**CCF B**)
5. **Yuli Liu**, Christian Walder, and Lexing Xie. Determinantal Point Process Likelihoods for Sequential Recommendation. The 45th International ACM SIGIR Conference on Research and Development in Information Retrieval, **SIGIR 2022**: 1563-1663.
6. **Yuli Liu**. Recommending Inferior Results: A General and Feature-Free Model for Spam Detection. Proceedings of the 29th ACM International Conference on Information & Knowledge Management. **CIKM 2020**: 955-974.
7. **Yuli Liu**, Yiqun Liu, Ke Zhou, Min Zhang, Shaoping Ma. Detecting Collusive Spamming Activities in Community Question Answering. The 26th International World Wide Web Conference. **WWW 2017**:1073-1082.
8. **Yuli Liu**, Yiqun Liu, Min Zhang, & Shaoping Ma. Pay me and i'll follow you: Detection of crowdturfing following activities in microblog environment. **IJCAI, 2016**:3789-3796.
9. **Yuli Liu**, Yiqun Liu, Ke Zhou, Min Zhang, Shaoping Ma. Detecting Promotion Campaigns in Query Auto Completion. The 25th ACM International on Conference on Information and Knowledge Management. **CIKM 2016**: 125-134.
10. Ning Su, Yiqun Liu, Zhao Li, **Yuli Liu**, Min Zhang and Shaoping Ma. Detecting Crowdturfing "Add to Favorites" Activities in Online Shopping. The 27th International World Wide Web Conference. **WWW 2018**:1673-1682.

## Awards

- **Excellent Master Graduate in Tsinghua University, 2017**  
Top 100 out of 2500+ master degree graduates in Tsinghua University.
- **Excellent Master Graduate in Beijing, 2017**  
Top 2 out of 70+ master degree graduates in Department of Computer Science and Technology Tsinghua University.
- **Graduate National Scholarship, 2016**  
Top 10 out of 140+ graduate students in Department of Computer Science and

Technology Tsinghua University.

- **Data61 Top-up PhD Scholarship, 2019**

Top-quality doctoral students in Australia's data-skilled workforce.