ZHANG YINAN

@ yinan002@e.ntu.edu.sg (+65) 82837746 LILY, N4-B3b-06, NTU, Singapore 639798

EDUCATION

Ph.D

School of Computer Science and Engineering
Nanyang Technological University
GPA: 4.83/5

July 2019 - present Singapore

Bachelor of Science

Taishan Class, Shandong University
GPA: 87.56/100, 4.11/5 Ranking: 4/15
Taishan Class originated from the *Basic Research Training Program for Top-notch Students of China*. The program is promoted by Ministry of Education of the People's Republic of China and carried out in 20 top universities all over China. Taishan Class students are now making remarkable achievements. The 2015-grade students in Computer Science Program of Taishan Class are 15 elites selected from 300 qualified competitors candidates.

Sept. 2015 - June 2019 Jinan, China

RESEARCH PUBLICATIONS

- **Zhang,Y.**, Li, B., Liu, Y., Wang, H., & Miao, C.(2021). Initialization Matters: Regularizing Manifold-informed Initialization for Neural Recommendation Systems. *In the 27^{th} SIGKDD Conference on Knowledge Discovery and Data Mining, (KDD '21). Research track.*. Acceptance Rate: **15.4%**.
- **Zhang,Y.**, Liu, Y., Han, P., Miao, C., Cui, L., Li, B., & Tang, H. (2020). Learning personalized itemset mapping for cross-domain recommendation. *In the 29^{th} International Joint Conference on Artificial Intelligence (IJCAI '20). Main track.* Acceptance Rate: **12.6%**.
- Liu, Y., Yang, S., **Zhang,Y.**, Miao, C., Nie, Z., & Zhang J. (2020). Learning Hierarchical Review Graph Representation for Recommendation. *In IEEE Transactions on Knowledge and Data Engineering (TKDE).*
- Liu, Y., **Zhang,Y.**, Wu, Q., Miao, C., Cui, L., Zhao, B., Zhao, Y., & Guan, L. (2019). Diversity-promoting deep reinforcement learning for interactive recommendation. CoRR, arXiv 1903.07826.
- **Zhang,Y.**, Cui, L., Huang, J., & Miao, C. (2018). Crowdmerge: Achieving optimal crowdsourcing quality management by sequent merger. *In the 3^{rd} International Conference on Crowd Science and Engineering.* Nominated for Best Student Paper.
- Liu, C.,**Zhang,Y.**, Liu, L., Cui, L., Yuan, D., & Miao, C. (2017). Crowd-enabled pareto-optimal objects finding employing multi-pairwise-comparison questions. *In the 26^{th} ACM on Conference on Information and Knowledge Management (CIKM '17).* Acceptance Rate: **20%**.

WORKING EXPERIENCE

Research Intern, Alibaba

In the Department of Search & Recommendation, I proposed an effective interactive recommendation algorithm, which is a diversity-promoting deep reinforcement learning model. I applied this method to user-mechandise interaction data from Taobao.

2019 Beijing, China

HONORS AND AWARDS

- **Alibaba JRI@NTU Research Scholarship**
  2019
- **Dean Scholarship / Valedictorian, Class of 2019 (1/15).**
  2019
- **Excellent Student Award of Shandong University.**
  2016, 2017, 2018
- **Excellent Class Helper of Shandong University (2/80).**
  2016

RESEARCH INTERESTS

Machine Learning | Artificial Curiosity | Recommendation Systems

PROGRAMMING SKILLS

Python | C/C++ | Java

MAJOR COURSE GPA

- **Algorithm Analysis and Design** - GPA: 5/5
- **Linear Algebra** - GPA: 5/5
- **Pattern recognition** - GPA: 5/5
- **Principles of Compiler** - GPA: 5/5
- **Database System** - GPA: 5/5
- **Principles of and Applications of Embedded Systems** - GPA: 5/5
- **Information Retrieval** - GPA: 5/5
- **Data Mining** - GPA: 5/5

EXTRA-CURRICULAR ACTIVITIES

Representative of Shandong University

Selected for research excellence (10/250 students) and presented research findings for representatives from 20 universities nationwide.

Oct. 2018 Shanghai, China

Debate team member

Won 4th place among 16 colleges at Shandong University.

2015 - 2019 Jinan, China