Ruiyang Ren

Contact Information

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Google Scholar: https://scholar.google.com/citations?user=KpIEBYMAAAAJ

Semantic Scholar: https://www.semanticscholar.org/author/Ruiyang-Ren/1708171825

Education Experience

Renmin University of China   Master of Science (M.S.)

Big Data Science and Engineering, GPA: 3.76/4   *Sep 2019 – Now*
- Laboratory: Big Data and Analysis and Intelligence Lab (BDAI)
- Advisors：Prof. Ji-Rong Wen and Wayne Xin Zhao
- Research Interests：Natural Language Processing, Information Retrieval

Shandong University   Bachelor of Science (B.S.)

Computer Science and Technology, GPA: 87.6/100   *Sep 2015 – June 2019*
- Laboratory: Intelligent media research centre (iLearn)
- Advisors：Prof. Liqiang Nie and Xuemeng Song
- Research Interests：Social Media Computation

Internship Experience

NLP Department, Baidu

Research Intern   *May 2020 – Now*
- Mentor: Dr. Jing Liu
- Work on augmented training approaches for dense retrieval and re-ranking models.
- The outcomes were published in NAACL'2021, ACL'2021 and EMNLP'2021.

Honers and Awards

Academic Rising Star candidate, Renmin University of China	2021
National Scholarship for Graduate Students of China (Highest National Scholarship)	2020
SIGIR Student Travel Grant	2020
First-class Academic Scholarship, Renmin University of China	2020,2021
Merit student, Renmin University of China	2020,2021
First Prize of National Olympiad in Informatics in Provinces (NOIP) in Hebei Province	2013
First Prize of Hebei Youth Accordion Competition	2011

Publications

Conference and Journal Papers

- **Ruiyang Ren**[*], Yingqi Qu[*], Jing Liu, Wayne Xin Zhao, Qiaoqiao She, Hua Wu, Haifeng Wang, Ji-Rong Wen, "*RocketQAv2: A Joint Training Method for Dense Passage Retrieval and Passage Re-ranking*", The 2021 Conference on Empirical Methods in Natural Language Processings (**EMNLP'2021**)

- **Ruiyang Ren**[*], Shangwen Lv[*], Yingqi Qu, Jing Liu, Wayne Xin Zhao, QiaoQiao She, Hua Wu, Haifeng Wang, Ji-Rong Wen, "*PAIR: Leveraging Passage-Centric Similarity Relation for Improving Dense Passage Retrieval*", Findings of Annual Meeting of the Association for Computational Linguistics (**ACL'2021 Findings**)

- Yingqi Qu, Yuchen Ding, Jing Liu, Kai Liu, **Ruiyang Ren**, Wayne Xin Zhao, Daxiang Dong, Hua Wu, Haifeng Wang, "*RocketQA: An Optimized Training Approach to Dense Passage Retrieval for Open-Domain Question Answering*", Annual Conference of the North American Chapter of the Association for

Computational Linguistics (**NAACL'2021**)

- Xiaolin Chen, Xuemeng Song, **Ruiyang Ren**, Lei Zhu, Zhiyong Cheng, Liqiang Nie, "*Fine-Grained Privacy Detection with Graph-Regularized Hierarchical Attentive Representation Learning*", ACM Transactions on Information Systems (**TOIS**), 2020, Vol.38, No.4

- **Ruiyang Ren**, Zhaoyang Liu, Yaliang Li, Wayne Xin Zhao, Hui Wang, Bolin Ding, Ji-Rong Wen, "*Sequential Recommendation with Self-Attentive Multi-Adversarial Network*", 43rd International ACM SIGIR Conference on Research and Development in Information Retrieval (**SIGIR'2020**)

SERVICE

Program Committee/Reviewer

- ACL, SIGKDD, WSDM   2022
- CIKM, TALLIP   2021
- ChinaMM   2020

Conference Volunteer

- ACM International Conference on Information and Knowledge Management (CIKM)   2019