Weiwei Sun

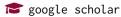
sunnweiwei@gmail.com



in sunweiwei



https://sunnweiwei.github.io/





Education

M.Sc., Shandong University Computer Science. 2021 - 2023

Supervisor: Prof. Zhaochun Ren

B.Sc. (with honor), Shandong University Computer Science. 2017 - 2021

GPA: 3.8 / 4.0 · Supervisor: Prof. Zhaochun Ren

Work Experience

Research Intern. Search Science Team, Baidu Inc. 2022 - 2023

2021 - 2022 Research Intern. Data Science Lab, JD.com.

Research Assistant. Information Retrieval Lab, Shandong University. 2019 - 2021

Publications

- Weiwei Sun, L. Yan, X. Ma, P. Ren, D. Yin, and Z. Ren, "Is chatgpt good at search? investigating large language models as re-ranking agents," in EMNLP, 2023.
- Weiwei Sun, L. Yan, Z. Chen, S. Wang, H. Zhu, P. Ren, Z. Chen, D. Yin, M. de Rijke, and Z. Ren, "Learning to tokenize for generative retrieval," in NeurIPS, 2023.
- Weiwei Sun, H. Cai, H. Chen, P. Ren, Z. Chen, M. de Rijke, and Z. Ren, "Answering ambiguous questions via iterative prompting," in ACL, 2023, pp. 7669–7683.
- Z. Shi, Weiwei Sun, S. Zhang, Z. Zhang, P. Ren, and Z. Ren, "Rade: Reference-assisted dialogue evaluation for open-domain dialogue," in ACL, 2023, pp. 12856–12875.
- S. Guo, S. Zhang, Weiwei Sun, P. Ren, Z. Chen, and Z. Ren, "Towards explainable conversational recommender systems," in SIGIR, 2023, pp. 2786–2795.
- Weiwei Sun, P. Ren, and Z. Ren, "Generative knowledge selection for knowledge-grounded dialogues," in *Findings of EACL*, 2023, pp. 2077–2088.
- Weiwei Sun, Z. Shi, S. Gao, P. Ren, M. de Rijke, and Z. Ren, "Contrastive learning reduces hallucination in conversations," in AAAI, 2023, pp. 13 618–13 626.
- Weiwei Sun, S. Guo, S. Zhang, P. Ren, Z. Chen, M. de Rijke, and Z. Ren, "Metaphorical user simulators for evaluating task-oriented dialogue systems," ACM Transactions on Information Systems, vol. 42, 2023.
- Weiwei Sun, S. Zhang, K. Balog, Z. Ren, P. Ren, Z. Chen, and M. de Rijke, "Simulating user satisfaction for the evaluation of task-oriented dialogue systems," in SIGIR, 2021, pp. 2499–2506.
- Weiwei Sun, C. Meng, Q. Meng, Z. Ren, P. Ren, Z. Chen, and M. de Rijke, "Conversations powered by cross-lingual knowledge," in SIGIR, 2021, pp. 1442-1451.
- C. Meng, P. Ren, Z. Chen, Weiwei Sun, Z. Ren, Z. Tu, and M. de Rijke, "Dukenet: A dual knowledge interaction network for knowledge-grounded conversation," in SIGIR, 2020, pp. 1151–1160.



Resources Shared

NovelEval IR test set with the novel queries and passages. https://github.com/sunnweiwei/RankGPT/tree/main/NovelEval

■ **DiQAD** Long-form question answering dataset with detailed quality annotations. share on google drive

E-Redial Conversational recommender dataset with high-quality explanations. https://github.com/Superbooming/E-Redial

USS Task-oriented dialogue dataset with multi-grain user satisfaction annotations. https://github.com/sunnweiwei/user-satisfaction-simulation

■ CKGC Open-domain dialogue dataset with annotated cross-lingual knowledge. https://github.com/sunnweiwei/ckgc

Selected Projects

RankGPT LLMs as re-ranking agents https://github.com/sunnweiwei/RankGPT

Fuzi · Mingcha LLMs for legal applications
https://huggingface.co/fireballoon https://huggingface.co/SDUIRLab

2019 Voice of AI Scene-based music generation

https://voiceofai.github.io/

Generating music based on video scene, a program mentored by Kuaishou. Outstanding presentation in DeeCamp 2019.

Skills

Coding Python (CSP 400), Java, C++, sql, LaTeX, ...

Database Mysql, Redis, ElasticSearch, MapReduce.

Research PyTorch, TensorFlow, HuggingFace, Deepspeed, OpenAI

Web Dev HTML, css, JavaScript.

Miscellaneous Experience

Awards and Achievements

Second Price, Academic Show, CCF.

2021 Outstanding Graduate & B.Sc. with honors, Shandong University.

National Second Price, Mathematical Contest in Modeling (CUMCM).

Ranked 2 out of 11395 participants, Certified Software Professional, CCF.

First Prize, College Software Innovation & Hackathon Contest, Shandong University.

2018 Outstanding Presenter, Short-Term Visiting Program, Oxford University.

2017 – 2021 College Academic Scholarship, Shandong University.

Academic Service

Reviewer EMNLP 2022, ACL 2023, SIGIR 2023, SIGIR-AP 2023, ECML/PKDD 2023, IPM 2023, WSDM 2023, EMNLP 2023.

Volunteer YSSNLP 2022, NLPCC 2022, AAAI 2023.

Teaching Experience

Big Data Technology, Shandong University · Teaching Assistant.

Miscellaneous Experience (continued)

- **Computer Organization and Design**, Shandong University · *Teaching Assistant*.
- 2021 Mathematical Modeling (Summer Course), Shandong University · Lecturer.