Shiguang Wu

N3 Building, Shandong University, 72 Binhai Highway, Qingdao, Shandong Province, China

☎ +86 177-0544-8803. ✉ shiguang.wu@mail.sdu.edu.cn

[Google Scholar] [GitHub] [Twitter] [Webpage]

I'm interested in (theoretical, analytical) information retrieval, especially in generative retrieval, embedding models, and recommender systems.

EDUCATION

M.Sc., Shandong University Information Retrieval Lab *Sep 2023 — Present*

- Supervised by Prof. Pengjie Ren and Prof. Zhaochun Ren
- Working with Prof. Xin Xin, Prof. Mengqi Zhang, and Prof. Maarten de Rijke.

B.Sc., Shandong University Taishan College *Sep 2019 — Jun 2023*

- GPA: 92.44/100 (ranking 2/17)

PUBLICATIONS

[2024] Pengjie Ren, Chengshun Shi, **Shiguang Wu**, Mengqi Zhang, Zhaochun Ren, Maarten de Rijke, Zhumin Chen, and Jiahuan Pei, Mini-ensemble low-rank adapters for parameter-efficient fine-tuning. *Proceedings of the 62nd annual meeting of the association for computational linguistics (volume 1: Long papers).*

[2024] **Shiguang Wu**, Wenda Wei, Mengqi Zhang, Zhumin Chen, Jun Ma, Zhaochun Ren, Maarten de Rijke, and Pengjie Ren, Generative retrieval as multi-vector dense retrieval. *Proceedings of the 47th international ACM SIGIR conference on research and development in information retrieval.*

[2024] Wenhao Zhang, Mengqi Zhang, **Shiguang Wu**, Jiahuan Pei, Zhaochun Ren, Maarten de Rijke, Zhumin Chen, and Pengjie Ren, ExcluIR: Exclusionary neural information retrieval. arXiv. (2024).

[2023] **Shiguang Wu**, Xin Xin, Pengjie Ren, Zhumin Chen, Jun Ma, Maarten de Rijke, and Zhaochun Ren, Learning robust sequential recommenders through confident soft labels. arXiv. (2023).

RESEARCH EXPERIENCE

Undergraduate Research Assistant Information Retrieval Lab *2020 — 2023*

- Supervised by Prof. Xin Xin and Prof. Zhaochun Ren

PROJECT EXPERIENCE

- Fuzi.Mingcha – A Chinese Judicial Large Language Model [230+ stars]. We develop a Chinese legal model that supports functions such as statute retrieval, case analysis, et al, and achieve supreme performance at the LawBench. *Project Leader and Main Contributor.* 2023.

ACADEMIC SERVICES

Reviewer: Information Processing & Management (IP&M)

Resources: I have curated an Awesome Transformers LM Analytics paper list focusing on the theoretical analysis of language models, especially large language models (LLMs).

AWARDS AND ACHIEVEMENTS

- Outstanding Undergraduate Thesis Award. *Shandong University.* 2023.
- National Outstanding Student Scholarship. *Shandong University.* 2022.
- Outstanding Student Scholarship. *Shandong University.* 2020-2022.
- Mathematical Contest in Modeling. Second Prize. 2021.
- The 18th Certified Sofware Professional Examination. Top 2.65%. 2020.