Zijie Wang

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EDUCATION

University of Arizona   Tucson, AZ, USA
Doctor of Philosophy, Computer Science   Aug. 2022 – Expected May 2026
- Advisor: Dr. Eduardo Blanco

Arizona State University (Transferred with advisor)   Tempe, AZ, USA
Doctor of Philosophy, Computer Science   Jan. 2022 – Aug. 2022
- Advisor: Dr. Eduardo Blanco

Arizona State University   Tempe, AZ, USA
Master of Science, Computer Science   Aug. 2019 – Dec. 2021
- Thesis: Examining Data Integration with Schema Changes Based on Cell-level Mapping Using Deep Learning Models

Beijing Information Science & Technology University   Beijing, China
Bachelor of Engineering, Computer Science and Technology   Sept. 2015 – June 2019

RESEARCH INTERESTS

Natural language processing, question answering, dialogue system, multilingual understanding, large language models, and retrieval-augmented generation

PUBLICATIONS

1. **Zijie Wang**, Farzana Rashid, and Eduardo Blanco. Interpreting answers to yes-no questions in dialogues from multiple domains. In Kevin Duh, Helena Gomez, and Steven Bethard, editors, *Findings of the Association for Computational Linguistics: **NAACL 2024***, pages 2111–2128, Mexico City, Mexico, June 2024. Association for Computational Linguistics

2. **Zijie Wang**, Md Hossain, Shivam Mathur, Terry Melo, Kadir Ozler, Keun Park, Jacob Quintero, MohammadHossein Rezaei, Shreya Shakya, Md Uddin, and Eduardo Blanco. Interpreting indirect answers to yes-no questions in multiple languages. In Houda Bouamor, Juan Pino, and Kalika Bali, editors, *Findings of the Association for Computational Linguistics: **EMNLP 2023***, pages 2210–2227, Singapore, December 2023. Association for Computational Linguistics

3. Lixi Zhou, Arindam Jain, **Zijie Wang**, Amitabh Das, Yingzhen Yang, and Jia Zou. Benchmark of dnn model search at deployment time. In *Proceedings of the 34th International Conference on Scientific and Statistical Database Management*, **SSDBM '22**, New York, NY, USA, 2022. Association for Computing Machinery

4. **Zijie Wang**, Lixi Zhou, and Jia Zou. Integration of fast-evolving data sources using a deep learning approach. In ***Software Foundations for Data Interoperability and Large Scale Graph Data Analytics***, pages 172–186. Springer, 2020

EXPERIENCE

PhD Research Intern   May – Present
Dolby Laboratories   *Atlanta, GA, USA*

- Mitigating Ambiguity in Audio-Video Question Answering.
  Ongoing research project.
  In submission to a top conference

Research Assistant   Aug. 2022 – May 2025
University of Arizona, Supervisor: Dr. Eduardo Blanco   *Tucson, AZ, USA*

- Identifying and Answering Questions with False Assumptions.
  We propose a method based on evidence retrieval to identify questions with false assumptions. We
  develop an assumption extraction approach that answers the questions with interpretability. The
  combined approach yields SOTA on three datasets with human validated interpretability.
  In submission to a top conference

- Interpreting Indirect Answers to Yes-No Questions.
  We develop so far the largest yes-no question datasets in multi-domains (three domains) and multiple
  languages (nine languages). We investigate a distant supervision method that leverages auto-labelled
  data to interpret the indirect answers to yes-no questions.
  Two first-author papers accepted to NAACL 2024 Findings [1] and EMNLP 2023 Findings [2]
  Github Repo

AWARDS

OpenAI Researcher Access Program Credits   Jan. 2025
EMNLP 2024 Outstanding Reviewer   Dec. 2024
UofA GPSC Travel Fund Award   Dec. 2023
Department of Cognitive Science Travel Award   Nov. 2023
Outstanding Graduates, Beijing City   June 2019

SKILLS

Programming Language: Python, Java, Perl, Scala, SQL

Machine Learning & NLP Tools: PyTorch, TensorFlow, Keras; NLTK, spaCy

Language Models: (Encoder and Decoder-based) Transformers, GPT-X, Llama, DeepSeek R1 etc.

SERVICES

Conference review: ACL 2023, EMNLP 2023, AACL 2023, ACL Rolling Review

Journal review: ACM TALLIP (May 2022)