Siru Ouyang

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Education

University of Illinois Urbana-Champaign   **Urbana, USA**
                                                                                 Aug 2022 - present
- Ph.D. Student, Department of Computer Science
- GPA: 4.00/4.00
- Advisor: Professor Jiawei Han

Shanghai Jiao Tong University   **Shanghai, China**
                                                                                 Sep. 2018 - Jun. 2022
- Undergraduate, Department of Computer Science (IEEE honor class)
- GPA: Overall: 89.2/100 | Major: 90.7/100 | Final Year: 90.5/100
- Advisor: Professor Hai Zhao, Professor Xiaofeng Gao

Research Interests

- Effective and fundamental modeling for structured knowledge extraction.
- Building AI systems that aligns with real human needs.

Papers

Compositional Data Augmentation for Abstractive Conversation Summarization
- **Siru Ouyang**, Jiaao Chen, Jiawei Han, Diyi Yang.
- In Proceedings of *the 61st Annual Meeting of the Association for Computational Linguistics* **ACL 2023**.

ReactIE: Enhancing Chemical Reaction Extraction with Weak Supervision
- Ming Zhong, **Siru Ouyang**, Minhao Jiang, Vivan Hu, Yizhu Jiao, Jiawei Han.
- In *Findings of the 61st Annual Meeting of the Association for Computational Linguistics* **ACL 2023.**

Towards End-to-End Open Conversational Machine Reading
- Sizhe Zhou, **Siru Ouyang**, Zhuosheng Zhang, Hai Zhao.
- *In Findings of the 17th Conference of the European Chapter of the Association for Computational Linguistics.* **EACL 2023.**

Dialogue Graph Modeling for Conversational Machine Reading
- **Siru Ouyang***, Zhuosheng Zhang*, Hai Zhao.
- In *Findings of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing.* **ACL-IJCNLP 2021.**

Smoothing Dialogue States for Open Conversational Machine Reading
- Zhuosheng Zhang*, **Siru Ouyang***, Hai Zhao, Masao Utiyama, Eiichiro Sumita.
- In *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing.* **EMNLP 2021.**

Fact-driven Logical Reasoning
- **Siru Ouyang**, Zhuosheng Zhang, Hai Zhao.
- In submission for *the Association for Computational Linguistics ACL 2023*. (ICLR 6666 rej)

Two-Hop Relay Deployment Based on User Trajectory in Wireless Networks
- Zhiyao Li, **Siru Ouyang**, Xiaofeng Gao and Guihai Chen.
- Accepted by *the Computer Journal 2021*.

Logic-aware Pre-Training for Language Models

- **Siru Ouyang***, Zhuosheng Zhang*, Hai Zhao.
- Preprint.

Honors and Awards

- **Richard T. Cheng Endowed Fellowship** University of Illinois Urbana-Champaign. 2022
- **Rongchang Scientific and Technological Innovation Scholarship**(Rank **1**st in the School of Electronic Information and Electrical Engineering), Shanghai Jiao Tong University. 2021
- **SenseTime Scholarship** (31 out of all students for artificial intelligence in China) SenseTime Incorporation. 2021
- **Google Women Tech Makers Scholarship** (110 out of 2800 students around the whole Pacific Rim), Google. 2020
- **Class-B Scholarship in Campus** (5% of all the students in the School of Electronic Information and Electrical Engineering), Shanghai Jiao Tong University. 2019 and 2020

Research Experiences

Microsoft Research, Redmond   **Remote** *May 2023 - Aug. 2023*

- Research Intern, Cognitive Service Research Group
- Host: Shuohang Wang and Yang Liu
- Research Topic: Large language models

Georgia Institute of Technology   **Remote** *June 2021 - Dec. 2021*

- Research Intern, School of Interactive Computing
- Advisor: Professor Diyi Yang
- Research Topic: Data augmentation for abstractive conversation summarization

SenseTime Incorporation   **Beijing, China** *Feb. 2022 - June 2022*

- Research Intern
- Host: Ding Liang
- Research Topic: Knowledge-enhanced language models with retrieval module

Academic Services

- Conference Reviewing Activities: ICML 2022, NeurIPS 2022, ICML 2023, NeurIPS 2023, EMNLP 2023