

Xiaozhi Wang

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🏠 <https://bakser.github.io>

Education

2020 – now 📌 **PhD Student. Computer Science and Technology, Tsinghua University.**
Advisor: Prof. Juanzi Li.

2016 – 2020 📌 **B.Eng. Computer Science and Technology, Tsinghua University.**

Employment

2017 – 2020 📌 **Research Assistant** THUNLP Lab. Advised by Prof. Zhiyuan Liu.
2019.7 – 2019.9 📌 **Visiting Student** DeepGraph Lab at Mila. Advised by Prof. Jian Tang.

Research

Research Interests

(1) **Understanding language models**: How to understand the working mechanisms of language models with empirical analyses and how can the findings help us improve/steer language models; (2) **Information extraction**: How to enable models to understand complex structured knowledge (particularly, events) in text.

Publications: Understanding Language Models

- 1 Peng, H., **Wang, X.**, Hu, S., Jin, H., Hou, L., Li, J., ... Liu, Q. (2022). COPEN: Probing conceptual knowledge in pre-trained language models. In *Proceedings of EMNLP*.
- 2 Su, Y., **Wang, X.**, Qin, Y., Chan, C.-M., Lin, Y., Wang, H., ..., Li, J. et al. (2022). On transferability of prompt tuning for natural language processing. In *Proceedings of NAACL*.
- 3 **Wang, X.**, Wen, K., Zhang, Z., Hou, L., Liu, Z. & Li, J. (2022). Finding skill neurons in pre-trained transformer-based language models. In *Proceedings of EMNLP*.
- 4 Qin, Y., **Wang, X.**, Su, Y., Lin, Y., Ding, N., Yi, J., ..., Hou, L. et al. (2021). Exploring universal intrinsic task subspace via prompt tuning. In *Arxiv e-prints*.

Publications: Information Extraction

- 1 Peng, H., **Wang, X.**, Yao, F., Zeng, K., Hou, L., Li, J., ... Shen, W. (2023). The devil is in the details: On the pitfalls of event extraction evaluation. *Findings of ACL*.
- 2 **Wang, X.**, Chen, Y., Ding, N., Peng, H., Wang, Z., Lin, Y., ..., Liu, Z. et al. (2022). MAVEN-ERE: A unified large-scale dataset for event coreference, temporal, causal, and subevent relation extraction. *Proceedings of EMNLP*.
- 3 **Wang, X.**, Gao, T., Zhu, Z., Zhang, Z., Liu, Z., Li, J. & Tang, J. (2021). KEPLER: A unified model for knowledge embedding and pre-trained language representation. *Transactions of the Association for Computational Linguistics*.
- 4 Wang, Z., **Wang, X.**, Han, X., Lin, Y., Hou, L., Liu, Z., ... Zhou, J. (2021). CLEVE: Contrastive Pre-training for Event Extraction. *Proceedings of ACL*.
- 5 **Wang, X.**, Jia, S., Han, X., Liu, Z., Li, J., Li, P. & Zhou, J. (2020). Neural Gibbs Sampling for Joint Event Argument Extraction. *Proceedings of AACL*.

- 6 **Wang, X., Wang, Z., Han, X., Jiang, W., Han, R., Liu, Z., ... Zhou, J. (2020).** MAVEN: A Massive General Domain Event Detection Dataset. *Proceedings of EMNLP*.
- 7 **Wang, X., Han, X., Liu, Z., Sun, M. & Li, P. (2019).** Adversarial training for weakly supervised event detection. *Proceedings of NAACL*, 998–1008.
- 8 **Wang, X., Wang, Z., Han, X., Liu, Z., Li, J., Li, P., ... Ren, X. (2019).** HMEAE: Hierarchical modular event argument extraction. *Proceedings of EMNLP*.
- 9 **Wang, X., Han, X., Lin, Y., Liu, Z. & Sun, M. (2018).** Adversarial multi-lingual neural relation extraction. *Proceedings of COLING*.

Only the papers I lead are listed here. For a full publication list, please check
<https://scholar.google.com/citations?user=DjpXXZkAAAAJ>

Professional Services

Program Committee Member/Reviewer: AAAI/IJCAI/COLING 2020, AAAI/ACL/EMNLP 2021, AAAI/COLING/SIGIR/CCKS/EMNLP 2022, AAAI/ACL/EMNLP/NeurIPS 2023, ACL Rolling Review.

Honors

- 2020
 - **Excellent Graduate, Tsinghua University**
 - **Outstanding Graduate, Dept. CST, Tsinghua University**
 - **Outstanding Undergraduate Dissertation, Tsinghua University**
- 2019
 - **Zhong Shimo Scholarship, Dept. CST, Tsinghua University.** Highest award (3) of undergraduates in Dept. CST.
 - **Cai Xiong Scholarship, Tsinghua University.** Awarded to the top 10 undergraduates with excellent scientific achievements at Tsinghua University.
 - **SenseTime Scholarship.** SenseTime Group Ltd. awards 29 outstanding AI undergraduates nationwide.
 - **Tencent Rhino-Bird Elite Training Program.** Tencent selects 56 talents (including graduates) nationwide through this program to enhance their comprehensive skills.
 - **Fellowship of the Tsinghua University Initiative Scientific Research Program.** Awarded to the top 10 undergraduates with excellent research potential and promising research at Tsinghua University. Fund 32,000 USD in total.
 - **The CCF Outstanding Undergraduate Award.** The China Computer Federation (CCF) awards 73 outstanding undergraduate students nationwide.
- 2018
 - **Fellowship of the Spark Talents Program.** Awarded to the top 50 Tsinghua undergraduates who are dedicated to scientific and technological innovations.
- 2017
 - **Golden Award.** International Collegiate Programming Contest (ACM-ICPC) Asia Qingdao Regional.
 - **Golden Award.** CCF Collegiate Computer Systems and Programming Contest (CCSP).
- 2016
 - **Golden Award.** China Collegiate Programming Contest (CCPC) Changchun Regional.
- 2015
 - **3rd Prize.** National Olympiad in Informatics.