

WENXUAN ZHOU

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EDUCATION

University of Southern California, Department of Computer Science

Ph.D. candidate in Computer Science

Advisor: Muhao Chen

Los Angeles, CA

Sept. 2018 – Present

Hong Kong University of Science and Technology, Department of Computer Science

B.Sc. in Computer Science and B.Sc. in Applied Mathematics

Kowloon, Hong Kong

Sept. 2014 – May 2018

University of Illinois at Urbana-Champaign

Exchange Student in Computer Science

Champaign, IL

Jan. 2017 – May 2017

HONORS AND AWARDS

Best Paper Honorable Mention Award, WWW 2020

2020

USC Annenberg Fellowship

2018 - 2019

Continuing Undergraduate Scholarship for Academic Excellence

2015 - 2017

Dean's List, School of Engineering, HKUST

2014 - 2017

School of Engineering Scholarship, HKUST

2014

PUBLICATIONS

Conference Papers

1. **Wenxuan Zhou**, Qiang Ning, Heba Elfardy, Kevin Small, Muhao Chen. Answer Consolidation: Formulation and Benchmarking. In the 20th Annual Conference of the North American Chapter of the Association for Computational Linguistics (**NAACL**), 2022. (**Oral**)
2. Yiwei Wang, Muhao Chen, **Wenxuan Zhou**, Yujun Cai, Yuxuan Liang, Dayiheng Liu, Baosong Yang, Juncheng Liu, Bryan Hooi. Should We Rely on Entity Mentions for Relation Extraction? Debiasing Relation Extraction with Counterfactual Analysis. In the 20th Annual Conference of the North American Chapter of the Association for Computational Linguistics (**NAACL**), 2022. (**Oral**)
3. Yiwei Wang, Muhao Chen, **Wenxuan Zhou**, Yujun Cai, Yuxuan Liang, Bryan Hooi. GraphCache: Message Passing as Caching for Sentence-Level Relation Extraction. In the 20th Annual Conference of the North American Chapter of the Association for Computational Linguistics (**NAACL**) - Findings, 2022.
4. **Wenxuan Zhou***, Fangyu Liu*, Ivan Vulić, Nigel Collier, Muhao Chen. Prix-LM: Pretraining for Multilingual Knowledge Base Construction. In Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics (**ACL**), 2022. (**Oral**)
5. **Wenxuan Zhou**, Fangyu Liu, Muhao Chen. Contrastive Out-of-Distribution Detection for Pretrained Transformers. In Proceedings of the 36th Conference on Empirical Methods in Natural Language Processing (**EMNLP**), 2021. (**Oral**)
6. **Wenxuan Zhou**, Muhao Chen. Learning from Noisy Labels for Entity-Centric Information Extraction. In Proceedings of the 36th Conference on Empirical Methods in Natural Language Processing (**EMNLP**), 2021.
7. **Wenxuan Zhou**, Kevin Huang, Tengyu Ma, Jing Huang. Document-Level Relation Extraction with Adaptive Thresholding and Localized Context Pooling. In the 35th AAAI Conference on Artificial Intelligence (**AAAI**), 2021.
8. **Wenxuan Zhou**, Bill Yuchen Lin, Xiang Ren. IsoBN: Fine-Tuning BERT with Isotropic Batch Normalization. In the 35th AAAI Conference on Artificial Intelligence (**AAAI**), 2021.
9. **Wenxuan Zhou**, Hongtao Lin, Bill Yuchen Lin, Ziqi Wang, Junyi Du, Leonardo Neves, Xiang Ren. NERO: A Neural Rule Grounding Framework for Label-Efficient Relation Extraction. In Proceedings of the Web Conference (**WWW**), 2020. (**Best Paper Honorable Mention Award**)
10. Ziqi Wang*, Yujia Qin*, **Wenxuan Zhou**, Jun Yan, Qinyuan Ye, Leonardo Neves, Zhiyuan Liu, Xiang Ren. Learning to Annotate: Modularizing Data Augmentation for Text Classifiers with Natural Language Explanations. In the 8th International Conference on Learning Representations (**ICLR**), 2020.
11. Ziqian Zeng, **Wenxuan Zhou**, Xin Liu, Yangqiu Song. A Variational Approach to Weakly Supervised Document-Level Multi-Aspect Sentiment Classification. In the 17th Annual Conference of the North American Chapter of the Association for Computational Linguistics (**NAACL**), 2019.

Technical Reports

1. **Wenxuan Zhou**, Muhao Chen. An Improved Baseline for Sentence-Level Relation Extraction. Arxiv. 2021.

WORK EXPERIENCE

Amazon Alexa Search, Seattle, WA

May 2021 – Aug. 2021

- **Applied Scientist Intern**, *Answer Consolidation: Formulation and Benchmarking* [1].
- Mentors: Qiang Ning and Kevin Small

JD AI Research, Mountain View, CA

May 2020 – Aug. 2020

- **Research Intern**, *Document-Level Relation Extraction with Adaptive Thresholding and Localized Context Pooling* [7]
- Mentors: Tengyu Ma and Jing Huang

Bytedance AI Lab, Beijing, China

May 2019 – July 2019

- **Research Intern**, a universal method for improving fine-tuning performance on PTLMs.
- Mentor: Hang Li

Hong Kong University of Science and Technology, Kowloon, Hong Kong

July 2017 – Feb. 2018

- **Research Intern**, *A Variational Approach to Weakly Supervised Document-Level Multi-Aspect Sentiment Classification* [11]
- Mentor: Yangqiu Song

PROJECTS

Reimplementation of R-Net

500+ ★

- A Tensorflow reimplementation of paper “R-Net: Machine Reading Comprehension with Self-Matching Networks”. The first Github repository that succeeds in reproducing the reported results.

SERVICE

Reviewer: LLD 2019, Repl4NLP 2019, EMNLP 2019 / 2020 / 2021, AAAI 2020 / 2021 / 2022, ACL 2020 / 2021, AACL 2020, NLPC 2021, TNNLS, ARR 2021 / 2022, NCAA