WENXUAN ZHOU

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EDUCATION

University of Southern California, Department of Computer Science　　　　　　　Los Angeles, CA
Ph.D. student in Computer Science　　　　　　　Sept. 2018 – Present
Advisor: Muhao Chen

Hong Kong University of Science and Technology, Department of Computer Science　　　　　　　Kowloon, Hong Kong
B.Sc. in Computer Science and B.Sc. in Applied Mathematics　　　　　　　Sept. 2014 – May 2018

University of Illinois at Urbana-Champaign　　　　　　　Champaign, IL
Exchange Student in Computer Science　　　　　　　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**, 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**)
2. **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.
3. **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.
4. **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.
5. **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**)
6. 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.
7. 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.

Preprints

1. **Wenxuan Zhou***, Fangyu Liu*, Ivan Vulić, Nigel Collier, Muhao Chen. Prix-LM: Pretraining for Multilingual Knowledge Base Construction. Arxiv. 2021.

WORK EXPERIENCE

Amazon Alexa Search, Seattle, WA　　　　　　　May 2021 – Aug. 2021
- **Applied Science Intern,** in submission.
- 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* [3]
- 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* [7]
- 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 reported results.

SERVICE

Reviewer: ICLR 2019 LLD, ACL 2019 Repl4NLP, EMNLP 2019 / 2020 / 2021, AAAI 2020 / 2021 / 2022, ACL 2020 / 2021, AACL 2020, NLPCC 2021, IEEE TNNLS, ARR