

# WENXUAN ZHOU

3710 McClintock Ave, Los Angeles, CA 90089 | 213-245-4248 | zhouwenx@usc.edu

## EDUCATION

**University of Southern California, Department of Computer Science**

Ph.D. student in Computer Science

Los Angeles, CA

September 2018 – Present

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

Bachelor of Science in Computer Science & Applied Mathematics

Kowloon, Hong Kong

September 2014 – May 2018

**University of Illinois at Urbana-Champaign**

Exchange Student in Computer Science

Champaign, IL

January 2017 – May 2017

## HONORS AND AWARDS

**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

1. **Wenxuan Zhou**, Kevin Huang, Tengyu Ma, Jing Huang. Document-Level Relation Extraction with Adaptive Thresholding and Localized Context Pooling. AAAI 2021.
2. **Wenxuan Zhou**, Bill Yuchen Lin, Xiang Ren. IsoBN: Fine-Tuning BERT with Isotropic Batch Normalization. AAAI 2021.
3. **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. WWW 2020. **(Best Paper Honorable Mention Award)**
4. 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. ICLR 2020.
5. Ziqian Zeng, **Wenxuan Zhou**, Xin Liu, Yangqiu Song. A Variational Approach to Weakly Supervised Document-Level Multi-Aspect Sentiment Classification. NAACL-HLT 2019.

## WORK EXPERIENCE

**JD AI Research**

Research Intern

Sunnyvale, CA

May 2020 – Aug. 2020

- Resolve the multi-entity multi-label problems in document-level relation extraction. Paper submitted.

**Bytedance AI Lab**

Research Intern

Beijing, China

May 2019 – July 2019

- Designed a universal method for improving performance of fine-tuned sentence encoders (e.g. BERT).

**Hong Kong University of Science and Technology**

Research Assistant to Prof. Yangqiu Song

Kowloon, Hong Kong

July 2017 – Feb. 2018

- Designed neural models on cloze-style machine reading comprehension task. Reimplemented R-Net on SQuAD dataset.
- Studied weakly-supervised multi-aspect semantic analysis. We proposed a variational approach to predict aspect-level sentiment polarity with overall sentiment polarity as weak supervision. Paper published.

## 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.
- Code available at <https://github.com/HKUST-KnowComp/R-Net>.

**Reimplementation of AlphaZero**

- A Tensorflow reimplementation of AlphaZero. Final year project advised by Prof. Qiang Yang. Focused on implementing the policy network and speeding up network inference.
- Code available at <https://github.com/water-vapor/AlphaZero>.

## SERVICE

Conference Reviewer: ICLR 2019 LLD, ACL 2019 Repl4NLP, EMNLP 2019 / 2020, AAAI 2020 / 2021, ACL 2020, AACL 2020