

WENXUAN ZHOU

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EDUCATION

University of Southern California, Department of Computer Science

Ph.D. student in Computer Science

Los Angeles, CA

September 2018 – Present

- GPA: 3.67/4.00, Received Annenberg Fellowship.

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

- GPA: 3.89/4.30, Received School of Engineering Scholarship

University of Illinois at Urbana-Champaign

Exchange Student in Computer Science

Champaign, IL

January 2017 – May 2017

- GPA: 3.77/4.00

SKILLS

Programming / Software:

- Proficient: Python (tensorflow, pytorch, numpy, scikit-learn), LaTeX.
- Familiar: C/C++, R.

Languages: English, Mandarin Chinese (native language)

HONORS AND AWARDS

USC Annenberg Fellowship

2018 - 2019

Continuing UG Scholarship for Academic Excellence

2015 - 2017

Dean's List, School of Engineering, HKUST

2014 - 2017

School of Engineering Scholarship, HKUST

2014

WORKING EXPERIENCES

Bytedance AI Lab

Beijing, China

Research Intern

May 2019 – July 2019

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

Hong Kong University of Science & Technology

Kowloon, Hong Kong

Research Assistant to Prof. Yangqiu Song

July 2017 – Feb. 2018

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

PUBLICATIONS

- Wenxuan Zhou**, Hongtao Lin, Bill Yuchen Lin, Ziqi Wang, Junyi Du, Leonardo Neves, and Xiang Ren. NERO: A Neural Rule Grounding Framework for Label-Efficient Relation Extraction. **WWW 2020**. (oral presentation)
- Ziqi Wang*, Yujia Qin*, **Wenxuan Zhou**, Jun Yan, Qinyuan Ye, Leonardo Neves, Zhiyuan Liu, and Xiang Ren. Learning to Annotate: Modularizing Data Augmentation for Text Classifiers with Natural Language Explanations. **ICLR 2020**.
- Ziqian Zeng, **Wenxuan Zhou**, Xin Liu, and Yangqiu Song. A Variational Approach to Weakly Supervised Document-Level Multi-Aspect Sentiment Classification. **NAACL-HLT 2019**.

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.
- 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>.

SERVICES

Conference Reviewer: ICLR 2019 LLD, ACL 2019 Repl4NLP, EMNLP 2019, AAI 2020, ACL 2020