Jingjing Xu

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EDUCATION

Peking University   *Sep 2015 - Jun 2020*

Ph.D. candidate School of Electronics Engineering and Computer Science

- Focus on Natural Language Processing and Deep Learning.
- Courses: Deep Learning Technology and Applications (91), Advanced Natural Language Processing (87), Algorithm Analysis (92), Machine Learning (85).

Northwest A&F University   *Sep 2011 - Jun 2015*

Bachelor College of Information Engineering

- GPA Rank: 1/120

EXPERIENCE

Microsoft Research Asia   *Jun 2019 - Sep 2019*

Intern , STCA Q&A

- Mentored by Duyu Tang and Ming Gong.
- Participant in project CommonsenseQA. Responsible for knowledge extraction and graph-based distance calculation.
- Our team got the first place in the official leaderboard. This work is accepted to AAAI 2020.

Microsoft Research Asia   *Jul 2018 - Nov 2018*

Intern , NLC   *Beijing*

- Mentored by Duyu Tang. Got the award of Stars of Tomorrow.
- Constructed a multi-turn question answering dataset. This work is accepted by EMNLP 2019.

PROJECT EXPERIENCE

Pkuseg Toolkit   *Jan 2018 - May 2019*

- A multi-domain Chinese word segmentation toolkit, supporting domains like news, web, medicine, and tourism.
- Got 4**K stars** on Github. Participated in interface design, function design, and testing.

JD Dialog Challenge   *May 2018 - Oct 2018*

- Won the championship in the automatic evaluation and the second place in the manual evaluation.
- Participated in solution design, part of project management.

SELECTED PUBLICATIONS

* means equal contribution.

1. Shangwen Lv*, Daya Guo*, **Jingjing Xu***, Duyu Tang, Nan Duan, Ming Gong, Linjun Shou, Daxin Jiang, Guihong Cao, Songlin Hu. Graph-Based Reasoning over Heterogeneous External Knowledge for Commonsense Question Answering. AAAI 2020.
2. **Jingjing Xu,** Zhiyuan Zhang, Guangxiang Zhao, Xu Sun. Understanding and Improving Layer Normalization. NeurIPS 2019.
3. **Jingjing Xu**, Yuechen Wang, Duyu Tang, Nan Duan, Qi Zeng, Pengcheng Yang, Ming Zhou and Xu Sun. Asking Clarification Questions in Knowledge-Based Question Answering. EMNLP 2019.
4. **Jingjing Xu***, Liang Zhao*, Qi Zeng, Hanqi Yan, Yun Liang and Xu Sun. LexicalAT: Lexical-Based Adversarial Reinforcement Training for Robust Sentiment Classification. EMNLP 2019.
5. Guangxiang Zhao*, **Jingjing Xu***, Qi Zeng, Xuancheng Ren. Review-Driven Multi-Label Music Style Classification by Exploiting Style Correlations. NAACL 2019.
6. **Jingjing Xu**, Xuancheng Ren, Junyang Lin, Xu Sun. DP-GAN: A Diversity-Promoting Generative Adversarial Network for Generating Informative and Diversified Text. EMNLP 2018.
7. **Jingjing Xu**, Yi Zhang, Qi Zeng, Xuancheng Ren, Xiaoyan Cai, Xu Sun. A Skeleton-Based Model for Promoting Coherence Among Sentences in Narrative Story Generation. EMNLP 2018.
8. Liangchen Luo*, **Jingjing Xu***, Junyang Lin, Qi Zeng, Xu Sun. An Auto-Encoder Matching Model for Learning Utterance-Level Semantic Dependency in Dialogue Generation. EMNLP 2018.
9. **Jingjing Xu**, Xu Sun, Qi Zeng, Xuanchen Ren, Xiaodong Zhang, Houfeng Wang, Weijie Li. Unpaired Sentiment-to-Sentiment Translation Using Cycled Reinforcement Learning. ACL 2018.
10. **Jingjing Xu**, Hangfeng He, Xu Sun, Xuancheng Ren, Sujian Li. Cross-Domain and Semi-Supervised Named Entity Recognition in Chinese Social Media: A Unified Model. TASLP 2018.
11. Yi Zhang, **Jingjing Xu**, Pengcheng Yang, Xu Sun. Learning Sentiment Memories for Sentiment Modification without Parallel Data. EMNLP 2018.
12. **Jingjing Xu**, Shuming Ma, Yi Zhang, Bingzhen Wei, Xiaoyan Cai, Xu Sun. Transfer Deep Learning for Low Resource Chinese Word Segmentation with a Novel Neural Network. NLPCC 2017.
13. **Jingjing Xu**, Xu Sun. Dependency-based Gated Recursive Neural Network for Chinese Word Segmentation. ACL 2016.

HONORS & AWARDS

- President Scholarship   *2019*
- Top-10 Students   *2019*
- 54 Scholarship (the highest-level scholarship in Peking University)   *2019*
- Outstanding Students   *2018 and 2016*
- Canon Scholarship   *2016*
- National Scholarship for Undergraduate Students   *2011-2015*

SKILLS

- Advanced: Python, Pytorch, Tensorflow, NLTK.
- Fluent in English.