

# Jingjing Xu

+86 188-1158-0756 | jingjingxu@pku.edu.cn  
jingjingxu.com



## 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. Currently, I have great interest in knowledge-aware natural language understanding or generation, adversarial attack for robust machine 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: 3.8 / 4.0 (Top 1%)

## PROFESSIONAL EXPERIENCE

### Microsoft Research Asia (Intern)

Jul 2018 - Nov 2018

*Natural Language Computing*

Beijing

- Focused on knowledge-aware question answering.
- Got the award of **Stars of Tomorrow**.

## PROJECT EXPERIENCE

### Pkuseg Toolkit

Jan 2019 - Mar 2019

- A multi-domain Chinese word segmentation toolkit, supporting domains like news, web, medicine, and tourism.
- Got **3K stars** on github until now.
- Participated in interface design, function design, and testing.

### JD Dialog Challenge

May 2018 - Oct 2018

*Task-oriented Multi-turn Dialogue*

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

## PUBLICATIONS

\* means equal contribution.

1. Guangxiang Zhao\*, **Jingjing Xu**\*, Qi Zeng, Xuancheng Ren. Review-Driven Multi-Label Music Style Classification by Exploiting Style Correlations. NAACL 2019.
2. Xu Sun\*, Xuancheng Ren\*, Shuming Ma, Bingzhen Wei, Wei Li, **Jingjing Xu**. Training Simplification and Model Simplification for Deep Learning: A Minimal Effort Back Propagation Method. TKDE 2019.
3. **Jingjing Xu**, Xuancheng Ren, Junyang Lin, Xu Sun. DP-GAN: A Diversity-Promoting Generative Adversarial Network for Generating Informative and Diversified Text. EMNLP 2018.
4. **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.
5. 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.
6. Yi Zhang, **Jingjing Xu**, Pengcheng Yang, Xu Sun. Learning Sentiment Memories for Sentiment Modification without Parallel Data. EMNLP 2018.
7. **Jingjing Xu**, Xu Sun, Qi Zeng, Xuancheng Ren, Xiaodong Zhang, Houfeng Wang, Weijie Li. Unpaired Sentiment-to-Sentiment Translation Using Cycled Reinforcement Learning. ACL 2018.
8. **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.
9. Shuming Ma, Xu Sun, **Jingjing Xu**, Houfeng Wang, Wenjie Li, Qi Su. Improving Semantic Relevance for Sequence-to-Sequence Learning of Chinese Social Media Text Summarization. ACL 2017.
10. **Jingjing Xu**, Shuming Ma, Yi Zhang, Bingzhen Wei, Xiaoyan Cai, Xu Sun. Transfer Deep Learning for LowResource Chinese Word Segmentation with a Novel Neural Network. NLPCC 2017.
11. **Jingjing Xu**, Xu Sun. Dependency-based Gated Recursive Neural Network for Chinese Word Segmentation. ACL 2016.
12. **Jingjing Xu**, Ji Wen, Xu Sun, Qi Su. A Discourse-Level Named Entity Recognition and Relation Extraction Dataset for Chinese Literature Text. Arxiv.

## HONORS & AWARDS

- Outstanding Students 2018
- Academic Scholarship 2017
- Outstanding Students 2016
- Canon Scholarship 2016
- National Scholarship for Undergraduate Students 2011-2015

## SKILL

- Advanced: Python, C#.
- Advanced: Tensorflow, Pytorch, Nltk, Spacy.
- Fluent in English writing.