

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. Currently, I have great interest in knowledge-aware natural language understanding or generation, 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.

Tencent Rhino Bird Innovation Research Project

Jan 2018 - Jan 2019

Unpaired Sentiment-to-Sentiment Translation

- Explored style transfer under the lack of parallel data and developed a novel reinforcement-based framework.
- This work has been accepted by ACL 2018.

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. **Jingjing Xu**, Xuancheng Ren, Junyang Lin, Xu Sun. DP-GAN: A Diversity-Promoting Generative Adversarial Network for Generating Informative and Diversified Text. EMNLP 2018.
3. **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.
4. 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.
5. **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.
6. 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 2018.
7. 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.
8. **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.
9. **Jingjing Xu**, Xu Sun. Dependency-based Gated Recursive Neural Network for Chinese Word Segmentation. ACL 2016.
10. **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.