



# Xiaoya Li (李晓雅)

Shannon.AI  
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## Education

**Beijing University of Posts and Telecommunications (BUPT)** 2014 - 2018  
Bachelor Degree, Engineering of Internet of Things  
*Thesis: End-to-end Dialogue System for Movie Recommendations with Reinforcement Learning.*  
*Advisor: Prof. Xiaojie Wang*

## Work Experience

**Shannon.AI** 01/2019 - 09/2020; 12/2020-Now  
Research Engineer  
Topic: information extraction and machine translation.  
*Advisor: Dr. Jiwei Li*

**DeeplyCurious.AI** 10/2017 - 01/2019  
Research Intern  
Topic: information extraction and language understanding.  
*Advisor: Yukun Yan, Dr. Zhengdong Lu*

**Beijing University of Posts and Telecommunications** 07/2017 - 06/2018  
Student Intern, Center for Intelligence Science and Technology  
Topic: dialogue system for movie recommendations with reinforcement learning.  
*Advisor: Prof. Xiaojie Wang*

**Tsinghua University** 10/2016 - 05/2017  
Student Intern, Conversational AI(CoAI) Lab  
Topic: sentiment analysis and dialogue system for restaurant services.  
*Advisor: Prof. Minlie Huang*

**Tsinghua University** 06/2016 - 09/2016  
Student Intern, State Key Lab of Intelligent Technology and Systems  
Topic: simultaneous localization and mapping algorithms in the automated driving system.  
*Advisor: Prof. Zhidong Deng*

## Publications

\* indicates equal contribution.

1. ***k*Folden: *k*-Fold Ensemble for Out-Of-Distribution Detection**  
**Xiaoya Li**, Jiwei Li, Xiaofei Sun, Chun Fan, Tianwei Zhang, Fei Wu, Yuxian Meng and Jun Zhang  
*EMNLP 2021*

2. **ChineseBERT: Chinese Pretraining Enhanced by Glyph and Pinyin Information**  
Zijun Sun, **Xiaoya Li**, Xiaofei Sun, Yuxian Meng, Xiang Ao, Qing He, Fei Wu and Jiwei Li  
*ACL 2021*
3. **SAC: Accelerating and Structuring Self-Attention via Sparse Adaptive Connection.**  
**Xiaoya Li\***, Yuxian Meng\*, Qinghong Han, Fei Wu and Jiwei Li  
*NeurIPS 2020*
4. **A Unified MRC Framework for Named Entity Recognition.**  
**Xiaoya Li**, Jingrong Feng, Yuxian Meng, Qinghong Han, Fei Wu and Jiwei Li.  
*ACL 2020*
5. **Dice Loss for Data-imbalanced NLP Tasks.**  
**Xiaoya Li**, Xiaofei Sun, Yuxian Meng, Junjun Liang, Fei Wu and Jiwei Li.  
*ACL 2020*
6. **Glyce: Glyph-vectors for Chinese Character Representations.**  
Yuxian Meng\*, Wei Wu\*, Fei Wang\*, **Xiaoya Li\***, Ping Nie, Fan Yin, Muyu Li, Qinghong Han, Xiaofei Sun and Jiwei Li.  
*NeurIPS 2019*
7. **Is Word Segmentation Necessary for Deep Learning of Chinese Representations?**  
**Xiaoya Li**, Yuxian Meng, Xiaofei Sun, Qinghong Han, Arianna Yuan and Jiwei Li.  
*ACL 2019*
8. **Entity-Relation Extraction as Multi-Turn Question Answering.**  
**Xiaoya Li**, Fan Yin, Zijun Sun, Xiayu Li, Arianna Yuan, Duo Chai, Mingxin Zhou and Jiwei Li.  
*ACL 2019*

## Manuscripts

1. **Defending against Backdoor Attacks in Natural Language Generation**  
Chun Fan, **Xiaoya Li**, Yuxian Meng, Xiaofei Sun, Xiang Ao, Fei Wu, Jiwei Li and Tianwei Zhang
2. **Analyzing COVID-19 on Online Social Media: Trends, Sentiments and Emotions.**  
**Xiaoya Li**, Mingxin Zhou, Jiawei Wu, Arianna Yuan, Fei Wu and Jiwei Li
3. **LAVA NAT: A Non-Autoregressive Translation Model with Look-Around Decoding and Vocabulary Attention.**  
**Xiaoya Li**, Yuxian Meng, Arianna Yuan, Fei Wu and Jiwei Li

## Undergraduate Projects

- |   |                   |
|---|-------------------|
| <b>A Smart Home System (a device and an app) for Managing Electronics</b> | 05/2015 - 05/2016 |
| Team members: Liangze Cui, Zongbao Li, Chenguang Zhang                    |                   |
| <i>Advisor: Prof. Xiaoguang Zhang</i>                                     |                   |
| <b>BUPT 2016 Modeling International Conference Website Development</b>    | 03/2016 - 05/2016 |
| Team members: Song Wang   |                   |
| <i>Advisor: Prof. Li Cheng</i>  |                   |

## Honors and Awards

Meritorious Winner in Mathematical Contest in Modeling, 2016

Beijing University of Posts and Telecommunications (BUPT) Scholarship, 2015/2016/2017

Excellent Student in Beijing University of Posts and Telecommunications (BUPT), 2017

Excellent Volunteer for Global Mobile Internet Conference (GMIC), 2016

## Service

Reviewer: ACL-IJCNLP 2021, ACL Rolling Review

Last updated: November 2, 2021