

# TIANXIANG SUN

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## EDUCATION

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### Fudan University

Ph.D. Student, Computer Science

School of Computer Science

Advisor: Prof. Xipeng Qiu & Prof. Xuanjing Huang

*September 2019 - Present*

Shanghai, China

### Xidian University

Bachelor of Engineering, Software Engineering

School of Computer Science and Technology (Excellent Track)

GPA: 3.8/4.0 (top 1%), Outstanding Graduate

*September 2015 - June 2019*

Xi'an, China

### Shengli NO.1 Senior High School

First Prize of China High School Biology Olympiad

*September 2012 - June 2015*

Dongying, Shandong, China

## INTERNSHIP

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### Amazon Web Services

Applied Scientist Intern

Amazon Shanghai AI Lab

Supervisor: Prof. Zheng Zhang

*October 2019 - August 2020*

Shanghai, China

### Inspur Group

Software Engineer

*June 2018 - August 2018*

Jinan, Shandong, China

## RESEARCH INTERESTS

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My research interests lie in natural language processing and machine learning, specifically in:

- neural based multi-task learning for NLP
- knowledge-aware language understanding
- graph neural network and its application in NLP

## PUBLICATIONS

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*\* denotes equal contribution.*

### Early Exiting with Ensemble Internal Classifiers

**Tianxiang Sun\***, Yunhua Zhou\*, Xiangyang Liu, Xinyu Zhang, Hao Jiang, Zhao Cao, Xuanjing Huang, Xipeng Qiu

*arXiv* 2105.13792

### Accelerating BERT Inference for Sequence Labeling via Early-Exit

Xiaonan Li, Yunfan Shao, **Tianxiang Sun**, Hang Yan, Xipeng Qiu, Xuanjing Huang

*ACL* 2021

### Does Syntax Matter? A Strong Baseline for Aspect-Based Sentiment Analysis with RoBERTa

Junqi Dai, Hang Yan, **Tianxiang Sun**, Pengfei Liu, Xipeng Qiu

*NAACL* 2021

### **CoLAKE: Contextualized Language and Knowledge Embedding**

**Tianxiang Sun**, Yunfan Shao, Xipeng Qiu, Qipeng Guo, Yaru Hu, Xuanjing Huang, Zheng Zhang  
*COLING* 2020

### **Pre-trained Models for Natural Language Processing: A Survey**

Xipeng Qiu, **Tianxiang Sun**, Yige Xu, Yunfan Shao, Ning Dai, Xuanjing Huang  
SCIENCE CHINA Technological Sciences (*SCTS*), 2020

### **Learning Sparse Sharing Architectures for Multiple Tasks**

**Tianxiang Sun\***, Yunfan Shao\*, Xiaonan Li, Pengfei Liu, Xipeng Qiu, Xuanjing Huang  
*AAAI* 2020, Oral

## **ACADEMIC SERVICES**

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### **Conference Reviewer / PC Member**

COLING-2020

ACL-2021, EMNLP-2021, AACL-2021, IJCAI-2021

## **HONORS & AWARDS**

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National Scholarship for Graduate Student	<i>October 2020</i>
Outstanding Graduate of Xidian University	<i>June 2019</i>
Honorable Mention in MCM/ICM	<i>February 2018</i>
First Prize of National MCM (Shaanxi division)	<i>October 2017</i>
Principal Scholarship in School of Computer Science and Technology (four times)	<i>2017 - 2019</i>
First Prize Scholarship of Xidian University (four times)	<i>2015 - 2018</i>
First Prize in China High School Biology Olympiad	<i>June 2014</i>