TIANXIANG SUN

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EDUCATION

Fudan University *September 2019 - Present*
Ph.D. Student, Computer Science *Shanghai, China*
School of Computer Science
Advisor: Prof. Xipeng Qiu & Prof. Xuanjing Huang

Xidian University *September 2015 - June 2019*
Bachelor of Engineering, Software Engineering *Xi'an, China*
School of Computer Science and Technology (Excellent Track)
GPA: 3.8/4.0 (top 1%), Outstanding Graduate

Shengli NO.1 Senior High School *September 2012 - June 2015*
First Prize of China High School Biology Olympiad *Dongying, Shandong, China*

INTERNSHIP

Amazon Web Services *October 2019 - August 2020*
Applied Scientist Intern *Shanghai, China*
Amazon Shanghai AI Lab
Supervisor: Prof. Zheng Zhang

Inspur Group *June 2018 - August 2018*
Software Engineer *Jinan, Shandong, China*

RESEARCH INTERESTS

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

* denotes equal contribution.

Black-Box Tuning for Language-Model-as-a-Service
Tianxiang Sun, Yunfan Shao, Hong Qian, Xuanjing Huang, Xipeng Qiu
arXiv 2201.03514

Paradigm Shift in Natural Language Processing
Tianxiang Sun, Xiangyang Liu, Xipeng Qiu, Xuanjing Huang
Machine Intelligence Research (Invited Paper)

Towards Efficient NLP: A Standard Evaluation and A Strong Baseline
Xiangyang Liu*, **Tianxiang Sun***, Junliang He, Lingling Wu, Xinyu Zhang, Hao Jiang, Zhao Cao,
Xuanjing Huang, Xipeng Qiu
NAACL 2022

A Simple Hash-Based Early Exiting Approach For Language Understanding and Generation
Tianxiang Sun, Xiangyang Liu, Wei Zhu, Zhichao Geng, Lingling Wu, Yilong He, Yuan Ni, Guotong Xie, Xuanjing Huang, Xipeng Qiu
Findings of ACL 2022

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

Learning to Teach with Student Feedback
Yitao Liu*, **Tianxiang Sun***, Xipeng Qiu, Xuanjing Huang
arXiv 2109.04641

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 (Invited Paper)

Learning Sparse Sharing Architectures for Multiple Tasks
Tianxiang Sun*, Yunfan Shao*, Xiaonan Li, Pengfei Liu, Xipeng Qiu, Xuanjing Huang
AAAI 2020 (Oral)

ACADEMIC SERVICES

Conference Reviewer / PC Member
COLING-2020
ACL-2021, EMNLP-2021, AAAI-2021, IJCAI-2021
ICML-2022, ACL-2022, COLING-2022, AAAI-2022, IJCAI-2022

HONORS & AWARDS

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