

TIANXIANG ZHAO

Pennsylvania State University, University Park
tkz5084@psu.edu

EDUCATION

University of Science and Technology of China *Sep 2013 - June 2017*

Bachelor, Class of the Gifted Young, School of the Gifted Young
- Switched from majoring Physics to majoring Computer Science in the junior year

University of Science and Technology of China *Sep 2017 - June 2019*

Software Engineering, School of the Software(quit)

Pennsylvania State University *June 2019 - present*

College of Information Science and Technology
Advisor: Suhang Wang, Xiang Zhang

RESEARCH BACKGROUNDS

Graph Neural Network, Transfer Learning, Natural Language Processing

RESEARCH EXPERIENCE

Anhui Province Key Laboratory of Big Data Analysis and Application May 2017 - Present
- *USTC*

- Supervisor: Guiquan Liu
- Learning basics in convex optimization and machine learning.
- Research interests: Transfer Learning, Domain Adaptation, Zero-shot Learning.

SenseTime *July 2018 - Jan 2019*
Research Intern in Computer Vision *Beijing, China*

- Mentor: Xu Jia, Jing Shao
- Focusing on designing efficient networks to be run on mobile devices.
- Research interests: Domain Adaptation, Knowledge Distillation, Network Architecture

Tencent AI Lab *Jan 2019 - June 2019*
Research Intern in NLP *Shenzhen, China*

- Mentor: Lemao Liu
- Focusing on applying reinforcement learning to machine translation.
- Research interests: Neural Machine Translation, Reinforcement Learning

PROJECT EXPERIENCE

Semantic segmentation for remote sensing images *Sep 2017 - Nov 2017*

- Responsible for design and implement of the algorithm
- Used FCN structure

PUBLICATIONS

- **Tianxiang Zhao**, Xiang Zhang, Suhang Wang. "GraphSMOTE: Imbalanced Node Classification on Graphs with Graph Neural Networks." Accepted by WSDM2021.
- **Tianxiang Zhao**, Xianfeng Tang, Xiang Zhang, Suhang Wang. "Semi-Supervised Graph-to-Graph Translation." Accepted by CIKM2020.
- **Tianxiang Zhao**, Lemao Liu, Huayang Li, Guoping Huang, Enhong Chen, Guiquan Liu, Shuming Shi. "Balancing Quality and Human Involvement: An Effective Approach to Interactive Neural Machine Translation." Accepted by AAAI2020.
- **Tianxiang Zhao**, Guiquan Liu, Le Wu, Chao Ma, Enhong Chen. "Energy Based Model for Zero Shot Learning." regular paper. International conference on Data Mining(**ICDM**),2018.
- Xiaoying Ren, Linli Xu, **Tianxiang Zhao**(second student author), Chen Zhu, Junliang Guo, Enhong Chen. "Tracking and Forecasting Dynamics in Crowdfunding: A Basis-Synthesis Approach." short paper, International conference on Data Mining(**ICDM**),2018.