

RESEARCH INTEREST

My research focuses on analyzing noisy data using techniques such as weak supervision and adversarial training. I am interested in natural language processing and point process.

EDUCATION

2019 - present	Georgia Institute of Technology Ph.D. in Machine Learning
2015 - 2019	The University of Texas at Austin B.S. in Computer Science (with Highest Honors) B.S. in Mathematics (with Highest Honors)

PUBLICATIONS

- **Adversarial Training as Stackelberg Game: An Unrolled Optimization Approach**
Simiao Zuo, Chen Liang, Haoming Jiang, Xiaodong Liu, Pengcheng He, Jianfeng Gao, Weizhu Chen and Tuo Zhao
arxiv, 2021
- **Fine-Tuning Pre-trained Language Model with Weak Supervision: A Contrastive-Regularized Self-Training Approach**
Yue Yu*, **Simiao Zuo***, Haoming Jiang, Wendi Ren, Tuo Zhao and Chao Zhang
North American Chapter of the Association for Computational Linguistics (NAACL), 2021
- **A Hypergradient Approach to Robust Regression without Correspondence**
Yujia Xie*, Yixiu Mao*, **Simiao Zuo**, Hongteng Xu, Xiaojie Ye, Tuo Zhao and Hongyuan Zha
International Conference on Learning Representations (ICLR), 2021
- **Transformer Hawkes Process**
Simiao Zuo, Haoming Jiang, Zichong Li, Tuo Zhao and Hongyuan Zha
International Conference on Machine Learning (ICML), 2020
- **Tensor maps for synchronizing heterogeneous shape collections**
Qixing Huang, Zhenxiao Liang, Haoyun Wang, **Simiao Zuo** and Chandrajit Bajaj
ACM Transactions on Graphics (TOG), 2019

PROFESSIONAL EXPERIENCES

2021.5 - 2021.8	Data scientist intern, Microsoft
2020.9 - 2020.12	Applied scientist intern, Amazon
2020.6 - 2020.8	Research intern, Microsoft

TEACHING EXPERIENCES

Teaching Assistant:

- Basic Statistical Methods (ISyE 3030), Fall 2019/Spring 2020

REFERENCES

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