

Zihui (Sherry) Xue

zhxue20@gmail.com | sherryxue@utexas.edu
<https://zihuixue.github.io>

EDUCATION BACKGROUND

The University of Texas at Austin	GPA: 4.0/4.0	Sep. 2020 – Jun. 2025 (expected)
Ph.D. student, Department of Electrical and Computer Engineering		
Fudan University	Rank: 10/189	GPA: 3.66/4.0
B.E. in Electronic and Information Science and Technology		
Semester GPA: 3.85/4.0 (2017-2018), 3.94/4.0 (2018-2019)		
Selected to Elite Engineering Program (top 5%)		
University of California, Santa Barbara (Exchange Program)	GPA: 4.0/4.0	Sep. 2018 – Dec. 2018
The College of Engineering Dean's Honors List		

PUBLICATIONS

- **Z. Xue**, Y. Yang, M. Yang and R. Marculescu, "SUGAR: Efficient Subgraph-level Training via Resource-aware Graph Partitioning," *arXiv preprint*, 2022.
- S. Ren, Z. Gao, T. Hua, **Z. Xue**, Y. Tian, S. He, and H. Zhao, "Co-advise: Cross Inductive Bias Distillation," *arXiv preprint*, 2021.
- Y. Huang, C. Du, **Z. Xue** and H. Zhao, "What Makes Multi-Modal Learning Better than Single (Provably)," *Conference on Neural Information Processing Systems (NeurIPS)*, 2021. [[PDF](#)]
- Y. Yang, **Z. Xue**, and R. Marculescu, "Anytime Depth Estimation with Limited Sensing and Computation Capabilities on Mobile Devices," *Conference on Robot Learning (CoRL)*, 2021. [[PDF](#)]
- **Z. Xue**, S. Ren, Z. Gao, and H. Zhao, "Multimodal Knowledge Expansion," *International Conference on Computer Vision (ICCV)*, 2021. [[PDF](#)][[website](#)]
- T. Hua, W. Wang, **Z. Xue** and H. Zhao, "On Feature Decorrelation in Self-Supervised Learning," *International Conference on Computer Vision (ICCV)*, 2021. [[PDF](#)][[website](#)]
- S. Jiao, **Z. Xue**, X. Chen, and Y. Xu, "Sampling Graphlets of Multi-layer Networks: A Restricted Random Walk Approach," *ACM Transactions on the Web*, 2021. [[PDF](#)]

RESEARCH INTERESTS

- Multimodal Learning, Self-supervised Learning, General Machine Learning
- Efficient Deep Learning, Graph Neural Networks

RESEARCH EXPERIENCE

[The System Level Design \(SLD\) Group](#), The University of Texas at Austin

Research Assistant to Prof. Radu Marculescu, Graph Learning and Edge Computing

Sep. 2021 – present

[MARS Lab](#), Tsinghua University

Research Assistant to Prof. Hang Zhao, Multimodal Learning and Self-supervised Learning

Aug. 2020 – Aug. 2021

[Multimedia and Mobile Networking Group \(MediaNET\)](#), Fudan University

Research Assistant to Prof. Yuedong Xu, Graph Sampling

Apr. 2018 – Jun. 2020

[Prof. Zheng Zhang's research group](#), University of California, Santa Barbara

Research Assistant to Prof. Zheng Zhang, Bayesian Tensor Learning

Dec. 2018 – Aug. 2019

INTERNSHIP EXPERIENCE

NLP Algorithm Intern, Ping An Technology

Mar. 2019 – June. 2019

- Investigated state-of-the-art Named Entity Recognition (NER) models and compared their performances;
- Built, evaluated and improved current NER models for Chinese medical cases;
- Annotated Chinese medical cases and maintained the datasets of medical cases and their annotations.

SCHOLARSHIPS & AWARDS

- National Second Prize & Shanghai Division First Prize in 2018 China Undergraduate Mathematical Contest in Modeling;
- Ranked 8/2115 teams in the first round and 13/2116 teams in the second round in 2018 Alibaba Global Scheduling Algorithm Competition;
- Second Prize of the Scholarship for Outstanding Students at Fudan University in the 2019-2020 academic year;
- Tung OOCL Scholarship at Fudan University (the First Prize) in the 2017-2018 academic year;
- Third Prize of the Scholarship for Outstanding Students at Fudan University in the 2016-2017 academic year.

EXTRACURRICULAR ACTIVITIES

Volunteer of World Artificial Intelligence Conference, Fudan University

Sep. 2018 – Sep. 2018

Deputy Minister of Arts Department, Student Union, Fudan University

Oct. 2017 – Oct. 2018

SKILLS

Programing language: Python, MATLAB, C/C++, Linux, Verilog

Language skills: TOEFL108 (R30 L30 S25 W23); GRE327 (Q168 V159 W4.0)