

TAO SHI

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EDUCATION

Tsinghua-UC Berkeley Shenzhen Institute, Tsinghua University

Master of Science in Data Science and Information Technology

Academic Supervisor: [Prof. Shao-Lun Huang](#)

Cumulative GPA: 3.94/4.00

Shenzhen, China

Sep 2021 - Present

China University of Mining and Technology (CUMT)

Bachelor of Engineering in Computer Science and Technology

Cumulative GPA: 87.73/100, Ranking: 21/245

Xuzhou, China

Sep 2016 - Jun 2020

Australian National University

Exchange Program at the School of Computing

Cumulative GPA: 6.75/7.00

Canberra, Australia

Feb 2018 - Jul 2018

RESEARCH INTERESTS

Natural Language Processing, Computer Vision, Multimodal Learning

PUBLICATIONS

* indicates equal contribution

Emotion Recognition in Conversations

- **Tao Shi** and Shao-Lun Huang. 2023. MultiEMO: An Attention-Based Correlation-Aware Multimodal Fusion Framework for Emotion Recognition in Conversations. In *Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*, pages 14752–14766, Toronto, Canada. Association for Computational Linguistics. [\[PDF\]](#) [\[Code\]](#)
- **Tao Shi**^{*}, Xiao Liang^{*}, Yaoyuan Liang, Xinyi Tong, and Shao-Lun Huang. “SSLCL: An Efficient Model-Agnostic Supervised Contrastive Learning Framework for Emotion Recognition in Conversations”. *Under Review by AAAI 2024*. [\[Preprint\]](#) [\[Code\]](#)

Video Grounding

- Xiao Liang^{*}, **Tao Shi**^{*}, Yaoyuan Liang, Te Tao, and Shao-Lun Huang. “Exploring Iterative Refinement with Diffusion Models for Video Grounding”. *Under Review by AAAI 2024*. [\[Preprint\]](#) [\[Code\]](#)

Multimodal Learning

- Weida Wang^{*}, **Tao Shi**^{*}, Yaoyuan Liang, Xiangxiang Xu, Fei Ma, Shao-Lun Huang, and Lizhong Zheng. “A Mathematical Framework for Characterizing Dependency Structures of Multimodal Learning”. [\[Preprint\]](#)

AWARDS AND HONORS

First Prize Scholarship, *Tsinghua University*

Oct 2023

Outstanding Graduate of the Class of 2020, *CUMT*

Jun 2020

Outstanding Graduate Thesis and Dissertation Award, *CUMT*

Jun 2020

First Prize Scholarship, *CUMT*

Sep 2019

Outstanding Undergraduate International Exchange Scholarship, *China Scholarship Council*

Nov 2017

WORK EXPERIENCE

Teaching Assistant of [Seminar in Data Science and Information Technology](#), *Tsinghua University*

Spring 2023

ACADEMIC SERVICE

Conference Reviewer at *EMNLP 2023*

SKILLS

Languages: Mandarin (Native), English (Fluent, TOEFL 110, GRE 333), German (Intermediate)

Programming Languages and Tools: Python, C++, Matlab, Linux Shell, Latex, Git