

TAO SHI

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EDUCATION

Tsinghua-UC Berkeley Shenzhen Institute, Tsinghua University

Master of Science in Data Science and Information Technology

Supervisor: Prof. Shao-Lun Huang

Cumulative GPA: 3.94/4.00

Shenzhen, China

Sep 2021 - Jun 2024 (Expected)

China University of Mining and Technology

Bachelor of Engineering in Computer Science and Technology

2020 Outstanding Graduate (top 1%)

Bachelor's Thesis: Multimodal Sentiment Analysis in Conversational Videos Based on Recurrent Neural Networks (2020 Outstanding Thesis and Dissertation Award, top 1%)

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

Xuzhou, China

Sep 2016 - Jun 2020

Australian National University

Non-Award Exchange Program at the School of Computing

Cumulative GPA: 6.75/7.00

Canberra, Australia

Feb 2018 - Jun 2018

RESEARCH INTERESTS

Natural Language Processing

PUBLICATIONS

* indicates equal contribution

Peer-Reviewed Publications

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]

Xiao Liang*, **Tao Shi***, Yaoyuan Liang, Te Tao, and Shao-Lun Huang. 2024. Exploring Iterative Refinement with Diffusion Models for Video Grounding. In *2024 IEEE International Conference on Multimedia and Expo (ICME)*. IEEE. (Accepted for poster presentation, to be published) [PDF] [Code]

Under Review

Tao Shi*, Xiao Liang*, Yaoyuan Liang, Xinyi Tong, and Shao-Lun Huang. 2024. SSLCL: An Efficient Model-Agnostic Supervised Contrastive Learning Framework for Emotion Recognition in Conversations. Under Review at *Transactions of the Association for Computational Linguistics*. [PDF] [Code]

HONORS & AWARDS

First Prize Scholarship (top 3%), *Tsinghua University*

Oct 2023

Runner-Up of 2023 Tsinghua-UC Berkeley Poster Competition (top 3%), *Tsinghua University and UC Berkeley*

Jul 2023

Runner-Up of 2022 Tsinghua Open Hack Competition - Multimodal Learning Tack (top 3%), *Tsinghua University*

Nov 2022

2020 Outstanding Graduate (top 1%), *China University of Mining and Technology*

Jun 2020

2020 Outstanding Thesis and Dissertation Award (top 1%), *China University of Mining and Technology*

Jun 2020

First Prize Scholarship (top 3%), *China University of Mining and Technology*

Sep 2019

Outstanding Undergraduate International Exchange Scholarship (top 0.1%), *China Scholarship Council*

Nov 2017

WORK EXPERIENCE

Teaching Assistant of Seminar in Data Science and Information Technology, *Tsinghua University*

Spring Semester 2023 - 2024

ACADEMIC SERVICE

Reviewer of *Journal of the Franklin Institute*

Since Dec 2023

Reviewer of the 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP 2023)

Jun 2023 - Sep 2023

SKILLS

Languages: Mandarin (native), English (fluent, TOEFL 110, GRE 333 + 4.0), German (conversational)

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