

Zijing Cai

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RESEARCH INTERESTS

Zijing Cai is a final-year B.S. student at ZJGSU. His interested research topics include (but are not limited to):

- **Pre-trained Language Model**, investigating how to leverage the rich prior knowledge in pre-trained language models to accomplish general tasks, with a particular focus on machine reading comprehension and prompt-based learning frameworks.
- **Contrastive Learning**, focusing on leveraging contrastive learning to enhance the quality of embeddings and to enable more nuanced and context-aware language model performances.
- **Dual Learning**, utilizing the primal-dual structure between machine learning tasks to obtain effective feedback/regularization, guiding and reinforcing the learning process, thereby reducing the requirements for large-scale learning.

EDUCATION

Zhejiang Gongshang University

Sep.2020 - Jul.2024

B.S. in Computer Science and Technology

SELECTED PUBLICATIONS

First Author: 1 papers, Accepted: 3 papers, Citation:10

- Multi-schema prompting powered token-feature woven attention network for short text classification
Zijing Cai, Hua Zhang, Peiqian Zhan, Xiaohui Jia, Yongjian Yan, Xiawen Song, Bo Xie.
(*PR 2025*)
- Reconstructing representations using diffusion models for multimodal sentiment analysis through reading comprehension
Hua Zhang, Yongjian Yan, **Zijing Cai**, Peiqian Zhan, Bi Chen, Bo Jiang, Bo Xie.
(*ASOC 2024*)
- RCFIND: Reading Comprehension Powered Semantic Fusion Network for Identification of N-ary Drug Combinations
Hua Zhang, Peiqian Zhan, Cheng Yang, Yongjian Yan, **Zijing Cai**, Guogen Shan, Bo Jiang, Bi Chen.
(*EAAI 2024*)

AWARDS

- [2022] Second prize of China University Software Service Outsourcing Award (**Top 2%**)
- [2022] Zhejiang Provincial Government Scholarship (**Top 5%**)
- [2022] Excellent Student at Zhejiang Gongshang University (**Top 8%**)

SKILLS

- **English:** CET6
- **Programming Skills:** Python, Java, HTML
- **Miscs:** Photography, Writing, Cooking