

Guanzhou Ke

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BASIC INFORMATION

Gender: Male

Place of Birth: Maoming, Guangdong, China

Date of Birth: February, 1996

Interests: Unified Visual Understanding and Generation, Large Multimodal Models, Reasoning

EDUCATION

Singapore Management University, Singapore Oct. 2024 - Oct. 2025

-> (CSC) Visiting PhD Student in Computer Science. Advisor: [Prof. Shengfeng He](#)

Beijing Jiaotong University, Beijing, China Sep. 2022 - until present.

-> Major in information management. Advisor: [Yang Yu](#)

Wuyi University, Jiangmen, Guangdong, China Sep. 2019 - Jun. 2022

-> Graduate student, master's degree of system engineer, GPA: 3.6/4.0, outstanding thesis award.

Wuyi University, Jiangmen, Guangdong, China Sep. 2017 - Jun. 2019

-> Major in telecommunication engineering, Bachelor of Engineering, GPA: 3.5/4.0, outstanding Graduate.

Guangdong Polytechnic of Environmental Protection, Foshan, Guangdong, China Sep. 2014 - Jun. 2017

-> Major in software testing, GPA: 3.9/4.0, outstanding Graduate.

WORK EXPERIENCE

(Intern) Medical Report Generation (Multimodal Large Model), **Microsoft Research Asia AI/ML Group**, Shanghai 2024.02 – 2024.10

Advisor: [Xinyang Jiang](#)

Responsibilities:

- Designed and fine-tuned a Chest X-ray report generation system based on the multimodal large model LLaVA 1.5;
- Proposed an adaptive attention matrix to mitigate clinical hallucinations during the inference phase of multimodal large models.

(Intern) Deepfake Detection (Multimodal), **Institute of Automation, Chinese Academy of Sciences**, Beijing 2023.06 – 2023.12

Advisor: [Bo Wang](#)

Responsibilities:

- Participated in building a deepfake detection model leveraging visual, textual, and audio modalities to enhance cross-modal forgery recognition;
- Conducted evaluation and analysis using multiple real and manipulated datasets (e.g., FakeAVCeleb, DFDC), and proposed a more robust detection strategy;
- Designed a decoupled learning-based detection algorithm and co-authored a related paper, which was accepted at CVPR 2024.

PUBLICATIONS

- [1] **Guanzhou Ke**, Shengfeng He, Xiao-Li Wang, Bo Wang, Guoqing Chao, Yuanyang Zhang, Xie Yi and HeXing Su, "Knowledge Bridger: Towards Training-free Missing Multi-modality Completion", IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2025. [\[PDF\]](#) [\(CCF A\)](#)
- [2] Yuanyang Zhang, Weiqing Yan, Yijie Lin, Li Yao, Xinhang Wan, Guangyuan Li, Chao Zhang, **Guanzhou Ke**, and Jie Xu, "Incomplete Multi-view Clustering via Diffusion Contrastive Generation", The 39th Annual AAAI Conference on Artificial Intelligence (AAAI'25). [\(CCF A\)](#)

- [3] Xiao-Li Wang, Anqi Huang, Yongli Wang, **Guanzhou Ke**, Xiaobin Hong, and Jun Liu, “Global-Semantic Alignment Distillation for Partial Multi-view Classification”, The 39th Annual AAAI Conference on Artificial Intelligence (AAAI’25). (CCF A)
- [4] **Guanzhou Ke**, Bo Wang, Xiaoli Wang, and Shengfeng He, “Rethinking Multi-view Representation Learning via Distilled Disentangling”, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2024. [CODE] (CCF A)
- [5] **Guanzhou Ke**, Yang Yu, Guoqing Chao, Xiaoli Wang, Chenyang Xu, and Shengfeng He, “Disentangling Multi-view Representations Beyond Inductive Bias”, The 31st ACM International Conference on Multimedia (ACM MM’23). [CODE] [PDF] (CCF A)
- [6] Wang, Xiaoli, Yongli Wang, **Guanzhou Ke**, Yupeng Wang, and Xiaobin Hong. “Knowledge distillation-driven semi-supervised multi-view classification” Information Fusion 103 (2024): 102098.
- [7] **Guanzhou Ke**, Guoqing Chao, Xiaoli Wang, Chenyang Xu, Yongqi Zhu, and Yang Yu, “A Clustering-guided Contrastive Fusion for Multi-view Representation Learning”, IEEE Transactions on Circuits and Systems for Video Technology (2023). [CODE] [PDF] (CCF B)
- [8] **Guanzhou Ke**, Yongqi Zhu, and Yang Yu, “MORI-RAN: Multi-view Robust Representation Learning via Hybrid Contrastive Fusion”, In IEEE International Conference on Data Mining, ICDM 2022 - Workshop on Multi-view Representation Learning, 2022. [CODE] [PDF] (CCF B)
- [9] **Guanzhou Ke**, Zhiyong Hong, Wenhua Yu, Xin Zhang, and Zeyi Liu, “Efficient Multi-view Clustering Networks”, Applied Intelligence, 2022, 52(13), 14918-14934. (IF=5.019) [CODE] [LINK] (CCF C)
- [10] **Guanzhou Ke**, Zhiyong Hong, Zhiqiang Zeng, Zeyi Liu, Yangjie Sun, and Yannan Xie, CONAN: Contrastive Fusion Networks for Multi-view Clustering, In 2021 IEEE International Conference on Big Data (Big Data) (pp. 653-660). [CODE] [LINK] (CCF C)

AWARDS

1. Second prize of the 19th ”Huawei Cup” National Graduate Mathematical Modeling Competition (<https://cpipc.acge.org.cn>), Sep. 2022.
2. Second prize of the 18th ”Huawei Cup” National Graduate Mathematical Modeling Competition (<https://cpipc.acge.org.cn>), Sep. 2021.
3. Second prize of the 17th ”Huawei Cup” National Graduate Mathematical Modeling Competition (<https://cpipc.acge.org.cn>), Sep. 2020.
4. Second prize of the 9th Blue Bridge Cup Information Competition Group B, (<https://dasai.lanqiao.cn/>), June 2018.
5. The national scholarship of China, Dec. 2015.

SERVICES

Journal Reviewer

- IEEE Transactions on Multimedia
- IEEE Transactions on Neural Networks and Learning Systems
- IEEE Transactions on Circuits and Systems for Video Technology
- Information Sciences

Conference Reviewer

- NeurIPS 2025 Datasets and Benchmark Track
- AAAI Conference on Artificial Intelligence (2023)
- ACM Multimedia 2023-2024