

Na Zheng

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11 Computing Dr, 117416, Singapore

RESEARCH FOCUS

Multi-modal Learning, Computer Vision.

ACADEMIC APPOINTMENT

- **National University of Singapore** July. 2022 - Sep 2025
Research Fellow in the School of Computing, Advisor: [Prof. Roger ZIMMERMANN](#) Singapore

EDUCATION

- **Shandong University** Aug. 2018 - Jun. 2022
Ph.D. in Computer Science and Technology, Advisor: [Prof. Liqiang Nie](#) and [Prof. Xuemeng Song](#) Qingdao, China
- **Texas State University** Aug. 2019 - Aug. 2020
Visiting Ph.D. in Computer Science, Advisor: [Prof. Yan Yan](#) San Marcos, United States
- **Central South University** Sep. 2015 - Jun. 2018
M.S. in Computer Science and Technology, Advisor: [Prof. Jiayang Wang](#) Changsha, China
- **Shandong University of Science and Technology** Sep. 2011 - Jun. 2015
B.S in Information Management and Information System Qingdao, China

PUBLICATIONS

C=CONFERENCE, J=JOURNAL, U=UNDER REVIEW

- [U.1] Leigang Qu, Ziyang Wang, Na Zheng, Wenjie Wang, Liqiang Nie, Tat-Seng Chua. **TTOM: Test-Time Optimization and Memorization for Compositional Video Generation**.
- [U.2] Xue Dong, Xuemeng Song, Na Zheng, Sicheng Zhao, Guiguang Ding. **Modality Reliability Guided Multimodal Recommendation**.
- [C.1] Na Zheng, Xuemeng Song, Xue Dong, Aashish Nikhil Ghosh, Liqiang Nie, Roger Zimmermann. **Language-Assisted Debiasing and Smoothing for Foundation Model-Based Semi-Supervised Learning**. CVPR'25.
- [C.2] Wenqi Liu, Xuemeng Song, Jiayi Li, Yinwei Wei, Na Zheng, Jianhua Yin, Liqiang Nie. **Mitigating Hallucination Through Theory-Consistent Symmetric Multimodal Preference Optimization**. NeurIPS'25.
- [J.1] Na Zheng, Xuemeng Song, Wai Teng Tang, See-Kiong Ng, Liqiang Nie, Roger Zimmermann. **Unsupervised Few-shot Food Recognition with Intra-Class Variation and Inter-Class Similarity Modeling**. IEEE TCSVT'25.
- [C.3] Liqiang Jing, Xuemeng Song, Xinxing Zu, Na Zheng, Zhongzhou Zhao, Liqiang Nie. **VK-G2T: Vision and Context Knowledge Enhanced Gloss2text**. ICASSP'24.
- [J.2] Na Zheng, Xuemeng Song, Tianyu Su, Weifeng Liu, Yan Yan, Liqiang Nie. **Egocentric Early Action Prediction via Adversarial Knowledge Distillation**. ACM TOMM'23.
- [J.3] Xue Dong, Xuemeng Song, Na Zheng, Yinwei Wei, Zhongzhou Zhao. **Dual Preference Distribution Learning for Item Recommendation**. ACM TOIS'23.
- [J.4] Xue Dong, Xuemeng Song, Na Zheng, Jianlong Wu, Hongjun Dai, Liqiang Nie. **TryonCM2: Try-on-enhanced Fashion Compatibility Modeling Framework**. IEEE TNLS'22.
- [C.4] Na Zheng, Xuemeng Song, Qingying Niu, Xue Dong, Yibing Zhan, Liqiang Nie. **Collocation and Try-On: Whether an Outfit is Compatible**. ACM MM'21 (Oral).
- [C.5] Tianyu Su, Xuemeng Song, Na Zheng, Weili Guan, Yan Li, Liqiang Nie. **Complementary Factorization Towards Outfit Compatibility Modeling**. ACM MM'21.
- [C.6] Zhiliang Wu, Hanyu Xuan, Changchang Sun, Weili Guan, Kang Zhang, Yan Yan. **Virtually Trying on New Clothing with Arbitrary Poses**. ACM MM'19 (Oral).

SERVICES

Conference Reviewer:

- ACM MM, WWW, ICML, WSDM, ICMR, PRCV, MMM, ChinaMM, ACM MM Asia.

Journal Reviewer:

- IEEE Transactions on Image Processing (TIP)
- IEEE Transactions on Knowledge and Data Engineering (TKDE)
- IEEE Transactions on Multimedia (TMM)
- ACM Transactions on Multimedia Computing (TOMM)
- Information Sciences (INS)
- Information Processing and Management (IPM)
- Multimedia Tools and Applications (MTAP)
- IEEE Transactions on Circuits and Systems for Video Technology (TCSVT).

MENTEES

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|---|------------------------------|
| • Wenqi Liu (M.S., Shandong University)
<i>NeurIPS'25</i> | <i>Jul. 2024 - Sep. 2025</i> |
| • Xue Dong (Ph.D., Shandong University)
<i>ACM TOIS'23, IEEE TNNLS'22</i> | <i>Sep. 2021 - Dec. 2023</i> |
| • Tianyu Su (M.S., Shandong University)
<i>ACM MM'21</i> | <i>Sep. 2020 - Dec. 2021</i> |