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 $\quad$ 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, Jiaxi 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 TNNLS'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

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