SHU ZHAO

🌐 https://shuzhao.me/ ◇ ⬡ Tree-Shu-Zhao ◇ ✉ smz5505@psu.edu

EDUCATION

The Pennsylvania State University–University Park *Aug. 2022 - Jun. 2027 (expected)*
Ph.D. in Computer Science *Pennsylvania, USA*

University of Chinese Academy of Sciences *Sep. 2018 - Jun. 2021*
M.E. in Computer Technology *Beijing, China*

Anhui University *Sep. 2013 - Jun. 2017*
B.E. in Information Security *Anhui, China*

PUBLICATIONS

1. **Reconstruct before Query: Continual Missing Modality Learning with Decomposed Prompt Collaboration**.
   arXiv:2403.11373. 2024. In Submission.
   Shu Zhao, Xiaohan Zou, Tan Yu, Huijuan Xu.

2. **Less is More: Toward Zero-Shot Local Scene Graph Generation via Foundation Models**.
   arXiv:2310.01358. 2023. In Submission.
   Shu Zhao, Huijuan Xu.

3. **NEUCORE: Neural Concept Reasoning for Composed Image Retrieval**.
   UniReps Workshop @ Neural Information Processing Systems (**NeurIPS Workshop**). 2023.
   Shu Zhao, Huijuan Xu.

4. **Rescuing Deep Hashing from Dead Bits Problem**.
   International Joint Conference on Artificial Intelligence (**IJCAI**), 2021.
   Shu Zhao, Dayan Wu, Yucan Zhou, Bo Li, Weiping Wang.

5. **Asymmetric Deep Hashing for Efficient Hash Code Compression**.
   ACM International Conference on Multimedia (**ACM MM**), 2020. (**Oral**)
   Shu Zhao, Dayan Wu, Wanqian Zhang, Yu Zhou, Bo Li, Weiping Wang.

6. **Technical Report for EPIC-KITCHENS-100 2021 Multi-Instance Retrieval Challenge**.
   Workshop on EPIC-Kitchens Challenges, in conjunction with CVPR (**CVPR Workshop 2021**). (**Ranked 1st**)
   Xiaoshuai Hao, Wanqian Zhang, Dejie Yang, **Shu Zhao**, Dayan Wu, Bo Li, Weiping Wang.

RESEARCH EXPERIENCE

Research Intern. Baidu Research, Beijing *Apr. 2022 - Jul. 2022*
Advised by Dr. Tan Yu

Topic: Large Multimodal Models for image retrieval

Research Assistant. IIE, Chinese Academy of Sciences, Beijing *Mar. 2019 - Jun. 2021*
Advised by Prof. Dayan Wu and Prof. Bo Li

Topic: Deep image hashing

REVIEW SERVICES

Computer Vision and Pattern Recognition (CVPR). 2024.

Annual Conference on Neural Information Processing Systems (NeurIPS). 2023.

ACM International Conference on Multimedia (ACM MM). 2022-2024.