Bo Fang

✉ fangbo@iie.ac.cn · ☎ (+86) 13269258180 · in https://bofang98.github.io/

Education

Institute of Information Engineering, Chinese Academy of Sciences   Sep. 2020 - Jun. 2023
Master of Engineering (Computer Application Technology)
- GPA: 3.8/4.0; Advisor: Prof. Yu Zhou

Xiamen University   Sep. 2016 - Jun. 2020
Bachelor of Engineering (Software Engineering)
- GPA: 3.5/4.0; GPA Ranking: 20/127

Publications

[1] MaMiCo: Macro-to-Micro Semantic Correspondence for Self-supervised Video Representation Learning.
- **Bo Fang**, Wenhao Wu, Chang Liu, Yu Zhou, Dongliang He, Weiping Wang.
- ACM MM, 2022. (CCF-A conference, oral presentation 5.0%)

[2] Exploring Relations in Untrimmed Videos for Self-Supervised Learning.
- Dezhao Luo, Yu Zhou, **Bo Fang**, Yucan Zhou, Dayan Wu, Weiping Wang. (Co-first Author)
- TOMM, 2022. (CCF-B journal, accepted)

[3] Video Motion Perception for Self-Supervised Representation Learning.
- Wei Li, Dezhao Luo, **Bo Fang**, Xiaoni Li, Yu Zhou, Weiping Wang.
- ICANN, 2022. (CCF-C conference, accepted)

[4] UATVR: Uncertainty-Adaptive Text-Video Retrieval.
- **Bo Fang**, Wenhao Wu, Chang Liu, Yu Zhou, Min Yang, Yuxin Song, Xiangyang Ji, Wanli Ouyang.
- CVPR, 2023. (CCF-A conference, *under review*)

[5] Cap4Video: What Can Auxiliary Captions Do for Text-Video Retrieval?
- Wenhao Wu, Haipeng Luo, **Bo Fang**, Jingdong Wang, Wanli Ouyang.
- CVPR, 2023. (CCF-A conference, *under review*)

Internship

Baidu VIS, Beijing, China   Sep. 2021 - Now
Research Intern
- Advisors: Dr. Wenhao Wu, Dr. Dongliang He
- *SSL video representation learning*: Introduced dense contrastive learning to the video SSL domain and incorporated the video pretext to boost the recognition, detection, and retrieval performance.
- *Video-Text Retrieval*: Transferring knowledge from image-text **CLIP**, and improving its generalization to video-text cross-modal matching.

Honors & Awards

National Scholarship for Postgraduate Students (20,000 RMB)	Nov. 2022
Third Place in ICME 2022 Few-Shot Logo Detection in E-commerce	May. 2022
University Scholarship of Chinese Academy of Sciences	Sep. 2020
Outstanding Undergraduate thesis at XMU (Bachelor degree)	Jun. 2020
Academic Excellence Scholarship at XMU	AY 2018/2019 and 2019/2020
First prize of Mathematical Contest in Modeling in Fujian Province	Sep. 2018

Academic Services

Conference Reviewer: ICME(2022)

COLLABORATORS

Chang Liu (PostDoc at Tsinghua University), Wenhao Wu (Baidu VIS, PhD at The University of Sydney), Dezhao Luo (PhD at Queen Mary University of London), Dongliang He (Baidu Inc.)