

DAIZONG LIU

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EDUCATION BACKGROUND

Peking University (PKU)

PhD in Electronics Engineering and Computer Science

Advisor: Prof. Wei Hu

Expected graduation in Jun. 2025

Beijing, China

Sep. 2021 - Present

Huazhong University of Science and Technology (HUST)

M. S. in Electronic Information and Communication

GPA: 91.09/100.0, Ranking: 2/126

Advisor: Prof. Pan Zhou

Wuhan, China

Sep. 2018 - Jun. 2021

Wuhan University of Technology (WHUT)

B. S. in Information Engineering

GPA: 91.79/100.0, Ranking: 12/273

Wuhan, China

Sep. 2014 - Jun. 2018

PUBLICATIONS (* EQUAL CONTRIBUTION)

13. **Daizong Liu**, Xiaoye Qu, Pan Zhou, Yang Liu. Exploring Motion and Appearance Information for Temporal Sentence Grounding. *AAAI Conference on Artificial Intelligence (AAAI)*, 2022
12. **Daizong Liu**, Xiaoye Qu, Xing Di, Yu Cheng, Zichuan Xu, Pan Zhou. Memory-Guided Semantic Learning Network for Temporal Sentence Grounding. *AAAI Conference on Artificial Intelligence (AAAI)*, 2022
11. **Daizong Liu**, Xiaoye Qu, Yinzhen Wang, Xing Di, Kai Zou, Yu Cheng, Zichuan Xu, Pan Zhou. Unsupervised Temporal Video Grounding with Deep Semantic Clustering. *AAAI Conference on Artificial Intelligence (AAAI)*, 2022
10. **Daizong Liu**, Xiaoye Qu, Pan Zhou. Progressively Guide to Attend: An Iterative Alignment Framework for Temporal Sentence Grounding. *Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2021
9. **Daizong Liu**, Xiaoye Qu, Jianfeng Dong, Pan Zhou. Adaptive Proposal Generation Network for Temporal Sentence Localization in Videos. *Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2021
8. **Daizong Liu**, Xiaoye Qu, Jianfeng Dong, Pan Zhou, Yu Cheng, Wei Wei, Zichuan Xu, Yulai Xie. Context-aware Biaffine Localizing Network for Temporal Sentence Grounding. *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2021
7. **Daizong Liu**, Dongdong Yu, Changhu Wang, Pan Zhou. F2Net: Learning to Focus on the Foreground for Unsupervised Video Object Segmentation. *AAAI Conference on Artificial Intelligence (AAAI)*, 2021
6. **Daizong Liu**, Shuangjie Xu, Xiao-Yang Liu, Zichuan Xu, Wei Wei, Pan Zhou. Spatiotemporal Graph Neural Network based Mask Reconstruction for Video Object Segmentation. *AAAI Conference on Artificial Intelligence (AAAI)*, 2021
5. **Daizong Liu**, Xiaoye Qu, Jianfeng Dong, Pan Zhou. Reasoning Step-by-Step: Temporal Sentence Localization in Videos via Deep Rectification-Modulation Network. *International Conference on Computational Linguistics (COLING)*, 2020
4. **Daizong Liu**, Xiaoye Qu, Xiao-Yang Liu, Jianfeng Dong, Pan Zhou, Zichuan Xu. Jointly Cross-and Self-Modal Graph Attention Network for Query-Based Moment Localization. *ACM International Conference on Multimedia (ACM MM)*, 2020
3. **Daizong Liu**, Hongting Zhang, Pan Zhou. Video-based Facial Expression Recognition using Graph Convolutional Networks. *International Conference on Pattern Recognition (ICPR)*, 2020
2. **Daizong Liu**, Xi Ouyang, Shuangjie Xu, Pan Zhou, Kun He, Shiping Wen. SAANet: Siamese action-units attention network for improving dynamic facial expression recognition. *Neurocomputing (IF: 5.719)*, 2020
1. Shuangjie Xu*, **Daizong Liu***, Linchao Bao, Wei Liu, Pan Zhou. MHP-VOS: Multiple hypotheses propagation for video object segmentation. *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2019

RESEARCH EXPERIENCE

ByteDance AI Lab

Research Intern

Beijing, China

Apr. 2020 - Sep. 2020

Research Area: Video Object Segmentation
Advisor: Dr. Dongdong Yu

ACADEMIC SERVICE

Reviewer: CVPR2022, ACM MM2021, TMM

PROGRAMMING SKILLS

Language: Python, C, Java, Matlab, LATEX and others
Framework: TensorFlow, PyTorch, Sklearn and others

SELECTED AWARDS

China National Scholarship <i>Top 1% among all competitors in HUST, awarded by Ministry of Education of PRC</i>	2020
China National Scholarship <i>Top 1% among all competitors in WHUT, awarded by Ministry of Education of PRC</i>	2015