lan

Email : qr021@ie.c Github : https://g	uhk.edu.hk ithub.com/shvdiwnkozbw	SHB 702, CUHK Hong Kong, China
OBJECTIVE	Ph.D. candidate in Multi-Media Lab, Department of Informatio Chinese University of Hong Kong, supervised by Prof. Dahua Lin computer vision and machine learning, especially multi-modal lar self-supervised learning and video understanding.	n Engineering, The a. I am interested in ge language models,
EDUCATION	 The Chinese University of Hong Kong, Hong Kong, China Ph.D. Candidate, Information Engineering, August 2021 - Present Shanghai Jiao Tong University, Shanghai, China Undergraduate Student, Information Engineering, September 2017 GPA: 3.95/4.3, Score: 91.70/100, Rank: 2/147 	t 7 - June 2021
TECHNICAL SKILLS	Languages : Python, Matlab, C++ Tools/Framework : PyTorch, OpenCV Research Interests : Video Understanding, Self-supervised Reing, Multi-modal LLM	presentation Learn-
EXPERIENCE	 Shanghai AI Lab Research Intern De Research on Multi-modal Large Language Models, especially for understanding. † Supervised by Dr. Jiaqi Wang 	ec. 2023 - Present effective long video
	CUHK MMLab Au • Research on Self-supervised Video Representation Learning and C Analysis. † Supervised by Prof. Dahua Lin	g. 2021 - Present Object-centric Video
	SJTU MIN LabDec.• Research on Joint Audiovisual Learning especially Sound SourSelf-supervised Video Representation Learning.† Supervised by Prof. Weiyao Lin	2018 - Jun. 2021 ace Localization and
	Baidu Research CooperationMar.• Research on discriminatively localizing sounding objects in a cooperation in a self-supervised manner.† Supervised by Prof. Di Hu	2020 - Jun. 2020 cktail-party scenario
	SenseTime Research InternFeb.• Work in OpenMMLab group on transformer for video understant† Supervised by Dr. Kai Chen	2021 - Jun. 2021 nding.
AWARDS	 National Scholarship at SJTU Ji Hanbing Scholarship at SJTU Rongchang Technology Innovation Scholarship at SJTU SenseTime Scholarship Hong Kong PhD Fellowship Scheme Top 1% Bachelor Thesis Award of SJTU 	Oct. 2018 Nov. 2019 Nov. 2020 Dec. 2020 Apr. 2021 Jun. 2021

• Outstanding Graduate of Shanghai Jun. 2021

PUBLICATIONS

- R. Qian, X. Dong, P. Zhang, Y. Zang, S. Ding, D. Lin, J. Wang. Streaming Long Video Understanding with Large Language Models. arXiv preprint, 2024.
- R. Qian, S. Ding, D. Lin. Rethinking Image-to-Video Adaptation: An Objectcentric Perspective. The European Conference on Computer Vision (ECCV), 2024.
- S. Ding^{*}, **R. Qian^{*}**, H. Xu, D. Lin, H. Xiong. Betrayed by Attention: A Simple yet Effective Approach for Self-supervised Video Object Segmentation. The European Conference on Computer Vision (ECCV), 2024.
- S. Ding, Z. Liu, X. Dong, P. Zhang, **R. Qian**, C. He, D. Lin, J. Wang. Song-Composer: A Large Language Model for Lyric and Melody Composition in Song Generation. arXiv preprint, 2024.
- R. Qian, S. Ding, X. Liu, D. Lin. Semantics Meets Temporal Correspondence: Self-supervised Object-centric Learning in Videos. The IEEE International Conference on Computer Vision (ICCV), 2023.
- S. Ding, P. Zhao, X. Zhang, **R. Qian**, H. Xiong, Q. Tian. Prune Spatio-temporal Tokens by Semantic-aware Temporal Accumulation. The IEEE International Conference on Computer Vision (ICCV), 2023.
- L. Zhu^{*}, X. Liu^{*}, X. Liu, **R. Qian**, Z. Liu, L. Yu. Taming Diffusion Models for Audio-Driven Co-Speech Gesture Generation. The IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023.
- R. Qian, S. Ding, X. Liu, D. Lin. Static and Dynamic Concepts for Selfsupervised Video Representation Learning. The European Conference on Computer Vision (ECCV), 2022.
- S. Ding, **R. Qian**, H. Xiong. Dual Contrastive Learning for Spatio-temporal Representation. The ACM International Conference on Multimedia (ACMMM), 2022.
- S. Ding, M. Li, T. Yang, **R. Qian**, H. Xu, Q. Chen, J. Wang, H. Xiong. The IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2022.
- X. Liu, Q. Wu, H. Zhou, Y. Xu, **R. Qian**, X. Lin, X. Zhou, W. Wu, B. Dai, B. Zhou. Learning Hierarchical Cross-Modal Association for Co-Speech Gesture Generation. The IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2022.
- X. Liu^{*}, **R. Qian^{*}**, H. Zhou^{*}, D. Hu, W. Lin, Z. Liu, B. Zhou, X. Zhou. Visual Sound Localization in the Wild by Cross-modal Interference Erasing. The AAAI Conference on Artificial Intelligence (AAAI), 2022.
- S. Li^{*}, H. Liu^{*}, **R. Qian**, Y. Li, J. See, M. Fei, X. Yu, W. Lin. TA2N: TwoStage Action Alignment Network for Few-shot Action Recognition. The AAAI Conference on Artificial Intelligence (AAAI), 2022.
- R. Qian, Y. Li, H. Liu, J. See, S. Ding, X. Liu, D. Li, W. Lin. Enhancing Selfsupervised Video Representation Learning via Multi-level Feature Optimization. The IEEE International Conference on Computer Vision (ICCV), 2021.
- D. Hu, **R. Qian**, M. Jiang, X. Tan, S. Wen, E. Ding, W. Lin, D. Dou. Discriminative Sounding Objects Localization via Self-supervised Audiovisual Matching. Advances in Neural Information Processing Systems (NeurIPS), 2020.
- R. Qian, D. Hu, H. Dinkel, M. Wu, N. Xu, W. Lin. Multiple Sound Sources Localization from Coarse to Fine. The European Conference on Computer Vison (ECCV), 2020.
- R. Qian, D. Hu, H. Dinkel, M. Wu, N. Xu, W. Lin. A Two-Stage Framework for Multiple Sound-Source Localization. The IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW), 2020.

- S. Li, J. Li, H. Tang, **R. Qian**, W. Lin. ATRW: A Benchmark for Amur Tiger Re-identification in the Wild. The ACM International Conference on Multimedia (ACMMM), 2020.
- Y. Li, W. Lin, T. Wang, J. See, **R. Qian**, N. Xu, L. Wang, S. Xu. Finding Action Tubes with a Sparse-to-Dense Framework. The AAAI Conference on Artificial Intelligence (AAAI), 2020.