

# XIAOQIAN SHEN

[Personal page](#) / [Github](#)

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## EDUCATION

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**Master of Computer Science** KAUST Expected 2024  
King Abdullah University of Science and Technology

**Bachelor of Computer Science** Jilin University 2018 - 2022  
GPA: 90.27/100 (3.73/4.0)

## RESEARCH INTEREST

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- **Generative Models**
- **Vision-Language Multimodal Learning**
- **Spatiotemporal Representation**

## PUBLICATIONS

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Eslam Bakr, **Xiaoqian Shen**<sup>\*</sup>, Pengzhan Sun<sup>\*</sup>, , Faizan Khan, Erran Li, Mohamed Elhoseiny. HRS-Bench: Holistic, Reliable and Scalable Benchmark for Text-to-Image Models. International Conference on Computer Vision (ICCV) 2023. [\[paper\]](#)

**Xiaoqian Shen**, Xiang Li, and Mohamed Elhoseiny. MoStGAN-V: Video Generation with Temporal Motion Styles. Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2023. [\[paper\]](#)

Deyao Zhu, Chen Jun, **Xiaoqian Shen**, Xiang Li, Mohamed Elhoseiny. MiniGPT-4: Enhancing Vision-language Understanding with Advanced Large Language Models. Arxiv. [\[paper\]](#) (*Github 20k+ stars*)

Jiaojiao Zhang, Shuo Zhang, **Xiaoqian Shen**, Thomas Lukasiewicz, Zhenghua Xu. Multi-ConDoS: Multimodal Contrastive Domain Sharing Generative Adversarial Networks for Self-Supervised Medical Image Segmentation. IEEE Trans Med Imaging 2023. [\[paper\]](#)

Deyao Zhu, Chen Jun, Kilichbek Haydarov, **Xiaoqian Shen**, Wenxuan Zhang, Mohamed Elhoseiny. ChatGPT Asks, BLIP-2 Answers: Automatic Questioning Towards Enriched Visual Descriptions. Arxiv. [\[paper\]](#) (*Github 300+ stars*)

Yi, Kai, **Xiaoqian Shen**, Yunhao Gou, and Mohamed Elhoseiny. Exploring hierarchical graph representation for large-scale zero-shot image classification. European Conference on Computer Vision (ECCV) 2022. [\[paper\]](#)

Qi, Tao, Shan Qiu, **Xiaoqian Shen**, Haopu Chen, Shuai Yang, Hao Wen, Ya Zhang, Yuanqing Wu, and Yongfeng Huang. KeMRE: knowledge-enhanced medical relation extraction for Chinese medicine instructions. Journal of Biomedical Informatics 120 (2021): 103834. [\[paper\]](#)

## WORK EXPERIENCES

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*Internship at Prof. Mohamed Elhoseiny's group, KAUST, Saudi Arabia*

**Large-scale Zero-shot Classification**

Dec 2021 - Mar 2022

Leverage hierarchical constractive learning for large-scale zero-shot classificaiton.

*Internship at Prof. Yongfeng Huang's group, Tsinghua University, China*

**Medical Relation Extraction for Chinese Medicine Instructions**

Sep 2020 - Mar 2021

Explore BERT-like model for text modeling and entity recognition.

*Internship at Prof. Zhenghua Xu's group, External D.Phil Supervisor of University of Oxford*

**Self-supervised Learning for medical image segmentation**

May 2020 - Sep 2020

Utilize multimodality information of medical images for downstream tumor segmentation.

## SKILLS

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- **Programming:** Python, C/C++, Java, HTML
- **Language** Chinese, English (TOEFL 104/120, GRE 328/340)