

XIAOQIAN SHEN

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EDUCATION

M.S./Ph.D. in Computer Science

King Abdullah University of Science and Technology (KAUST)

Aug 2022 - Present

Bachelor in Computer Science

Jilin University

Aug 2018 - Jun 2022

RESEARCH INTEREST

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

PUBLICATIONS

1. **Xiaoqian Shen**, Mohamed Elhoseiny. Marrying Latent Diffusion and Large Language Model for Story Visualization. *In Submission to CVPR 2024*
2. **Xiaoqian Shen**, Faizan Khan, Abdelrahman Mohamed, Mohamed Elhoseiny. EmoTalker: Audio Driven Emotion Aware Talking Head Generation. *In Submission to CVPR 2024*
3. Kilichbek Haydarov, Aashiq Muhamed, **Xiaoqian Shen**, Jovana Lazarevic, Ivan Skorokhodov, Chamuditha Jayanga Galappaththige, Mohamed Elhoseiny. Adversarial Text to Continuous Image Generation. *In Submission to CVPR 2024*
4. Jun Chen, Zhu Deyao, **Xiaoqian Shen**, Xiang Li, Zechun Liu, Pengchuan Zhang, Raghuraman Krishnamoorthi, Vikas Chandra, Yunyang Xiong, Mohamed Elhoseiny. MiniGPT-v2: Large Language Model as a Unified Interface for Vision-Language Multi-task Learning. Arxiv.
5. Eslam Bakr, **Xiaoqian Shen***, Pengzhan Sun*, Faizan Khan*, Erran Li, Mohamed Elhoseiny. HRS-Bench: Holistic, Reliable and Scalable Benchmark for Text-to-Image Models. **[ICCV 2023]**
6. **Xiaoqian Shen**, Xiang Li, Mohamed Elhoseiny. MoStGAN-V: Video Generation with Temporal Motion Styles. **[CVPR 2023]**
7. Deyao Zhu*, Chen Jun*, **Xiaoqian Shen**, Xiang Li, Mohamed Elhoseiny. MiniGPT-4: Enhancing Vision-language Understanding with Advanced Large Language Models. Arxiv. (***Github 20k+ stars***)
8. Kilichbek Haydarov, **Xiaoqian Shen**, Avinash Madasu, Mahmoud Salem, Li-Jia Li, Gamaleldin Elsayed, Mohamed Elhoseiny. Affective Visual Dialog: A Large-Scale Benchmark for Emotional Reasoning Based on Visually Grounded Conversations. Arxiv.
9. 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 Transactions on Medical Imaging. **[TMI 2023]**
10. Deyao Zhu, Chen Jun, Kilichbek Haydarov, **Xiaoqian Shen**, Wenxuan Zhang, Mohamed Elhoseiny. ChatGPT Asks, BLIP-2 Answers: Automatic Questioning Towards Enriched Visual Descriptions. Arxiv. (***Github 300+ stars***)
11. Yi Kai, **Xiaoqian Shen**, Yunhao Gou, and Mohamed Elhoseiny. Exploring hierarchical graph representation for large-scale zero-shot image classification. **[ECCV 2022]**

12. 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.

EXPERIENCE

Research intern 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 classification.

Research assistant 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.

Research assistant 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

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

AWARD

- Outstanding Undergraduate Thesis Award *2022*
- Academic Scholarship *2018 - 2021*