XIAOQIAN SHEN

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EDUCATION

Master of Computer Science *August 2022 - Now*
King Abdullah University of Science and Technology (KAUST)

Bachelor of Computer Science *August 2018 - June 2022*
Jilin University

RESEARCH INTEREST

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

PUBLICATIONS

1. 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. [paper]
2. Eslam Bakr, Pengzhan Sun*, **Xiaoqian Shen***, Faizan Khan, Erran Li, Mohamed Elhoseiny. HRS-Bench: Holistic, Reliable and Scalable Benchmark for Text-to-Image Models. **[ICCV 2023]** [paper]
3. **Xiaoqian Shen**, Xiang Li, and Mohamed Elhoseiny. MoStGAN-V: Video Generation with Temporal Motion Styles. **[CVPR 2023]** [paper]
4. 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)***
5. 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. [paper]
6. 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 2023. [paper]
7. 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)***
8. Yi Kai, **Xiaoqian Shen**, Yunhao Gou, and Mohamed Elhoseiny. Exploring hierarchical graph representation for large-scale zero-shot image classification. **[ECCV 2022]** [paper]
9. 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]

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 classificaiton.

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 graduation project *2022*
- Academic Scholarship *2018 - 2021*