

# Xiaoqian Shen

✉ Email: [xiaoqian.shen@kaust.edu.sa](mailto:xiaoqian.shen@kaust.edu.sa)  
🌐 Webpage: [xiaoqian-shen.github.io](https://xiaoqian-shen.github.io)  
🎓 Google Scholar    🏠 Github

## Research Interest

- ◇ **Generative Models:** Image / Video / Sequence Generation
- ◇ **Vision-Language:** Multi-modal Comprehension / Generation

## Education

- 📖 **King Abdullah University of Science and Technology**, Saudi Arabia. Jan. 2024 – present  
Ph.D. Computer Science, supervised by Prof. Mohamed Elhoseiny.
- 📖 **King Abdullah University of Science and Technology**, Saudi Arabia. Aug. 2022 – Dec. 2023  
M.Sc. Computer Science. GPA: 3.75/4.0 (M.S./Ph.D. program)  
Thesis title: *Efficient Learning Algorithms for Temporally Consistent Video Synthesis*
- 📖 **Jilin University**, China. Aug. 2018 – Jun. 2022  
B.S. Computer Science. GPA: 3.77/4.0

## Experience

- ◇ **Research Scientist Intern**, Meta. May. 2024 - Sep. 2024, United States  
Dr. Yunyang Xiong, XR Core AI, Burlingame  
Multimodal foundation model optimization
- ◇ **Visiting research student**, KAUST. Dec. 2021 - Mar. 2022, Saudi Arabia  
Prof. Mohamed Elhoseiny's group  
Leverage hierarchical constructive learning for large-scale zero-shot classification
- ◇ **Research assistant**, Tsinghua University. Sep. 2020 - Mar. 2021, China  
Prof. Yongfeng Huang's group  
Medical Relation Extraction for Chinese Medicine Instructions
- ◇ **Research assistant**, HEBUT & University of Oxford. May. 2020 - Sep. 2020, Remote  
Prof. Zhenghua Xu's group  
Utilize multimodality information of medical images for downstream tumor segmentation

## Publications

- 1 K. Haydarov, A. Muhamed, **Xiaoqian Shen**, *et al.*, "Adversarial text to continuous image generation," [CVPR 2024].
- 2 D. Zhu\*, J. Chen\*, **Xiaoqian Shen**, X. Li, and M. Elhoseiny, "Minigpt-4: Enhancing vision-language understanding with advanced large language models," [ICLR 2024].
- 3 **Xiaoqian Shen** and M. Elhoseiny, "Storygpt-v: Large language models as consistent story visualizers," *arXiv*, 2023.
- 4 J. Chen, D. Zhu, **Xiaoqian Shen**, *et al.*, "Minigpt-v2: Large language model as a unified interface for vision-language multi-task learning," *arXiv*, 2023.
- 5 K. Haydarov, **Xiaoqian Shen**, A. Madasu, *et al.*, "Affective visual dialog: A large-scale benchmark for emotional reasoning based on visually grounded conversations," *arXiv*, 2023.

- 6 E. M. Bakr, **Xiaoqian Shen\***, P. Sun\*, F. F. Khan\*, L. E. Li, and M. Elhoseiny, "Hrs-bench: Holistic, reliable and scalable benchmark for text-to-image models," *Proceedings of the IEEE/CVF International Conference on Computer Vision*, pp. 20 041–20 053, 2023, [ICCV 2023].
- 7 **Xiaoqian Shen**, X. Li, and M. Elhoseiny, "Mostgan-v: Video generation with temporal motion styles," *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition*, pp. 5652–5661, 2023, [CVPR 2023].
- 8 D. Zhu, J. Chen, K. Haydarov, **Xiaoqian Shen**, W. Zhang, and M. Elhoseiny, "Chatgpt asks, blip-2 answers: Automatic questioning towards enriched visual descriptions," [TMLR].
- 9 J. Zhang, S. Zhang, **Xiaoqian Shen**, T. Lukasiewicz, and Z. Xu, "Multi-condos: Multimodal contrastive domain sharing generative adversarial networks for self-supervised medical image segmentation," *IEEE Transactions on Medical Imaging*, 2023.
- 10 K. Yi, **Xiaoqian Shen**, Y. Gou, and M. Elhoseiny, "Exploring hierarchical graph representation for large-scale zero-shot image classification," *European Conference on Computer Vision*, pp. 116–132, 2022, [ECCV 2022].
- 11 T. Qi, S. Qiu, **Xiaoqian Shen**, *et al.*, "Kemre: Knowledge-enhanced medical relation extraction for chinese medicine instructions," *Journal of Biomedical Informatics*, vol. 120, p. 103 834, 2021.

## Academic Services

---

- ◇ **Conference reviewer**, CVPR, ECCV
- ◇ **Journal reviewer**, IJCV, CVIU

## Skills

---

- ◇ **Languages**: Chinese, English (TOEFL 104/120, GRE 328/340).
- ◇ **Coding**: Python, C/C++, Java, HTML5,  $\text{\LaTeX}$ .
- ◇ **Software**: Photoshop, Final Cut Pro.

## Awards

---

- |   |                |
|---|----------------|
| ◇ KAUST Graduate Scholarship.             | 2022 - present |
| ◇ Outstanding Undergraduate Thesis Award. | 2022           |
| ◇ Academic Scholarship.                   | 2019 - 2021    |