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职称：讲师

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学习经历

- (1) 2020-09 至 2023-12, 中国石油大学（华东），计算机技术与资源信息工程，博士
- (2) 2017-09 至 2020-06, 中国石油大学（华东），软件工程，硕士
- (3) 2013-09 至 2017-09, 山东科技大学，网络工程，学士

工作经历

- (1) 2024-01 至今，天津工业大学，软件学院，讲师

主讲课程

人工智能原理, 深度学习算法

教学科研简介

主要从事人工智能算法及其应用、医学图像智能处理等研究工作。以第一作者身份发表了多篇高水平学术论文，主持并参与了多项科研项目，主要包括教育部产学合作协同育人项目 1 项、中国石油大学研究生创新基金资助项目 1 项以及国家重点研发计划子课题 1 项等。

代表性论文

1. **Sibo Qiao**, Shanchen Pang, Gang Luo, Pengfei Xie, Wenjing Yin, Silin Pan, Zhihan Lyu. A Progressive Growing Generative Adversarial Network Composed of Enhanced Style-Consistent Modulation for Fetal Ultrasound Four-Chamber View Editing Synthesis, *Engineering Applications of Artificial Intelligence*, 2024, accepted.
2. Leiming Chen, Cihao Dong, Ziling Huang, Yuming Nie, Zhaoxiang Hou, **Sibo Qiao***. FedDRL: A Trustly Federated Learning Model Fusion Method Based on Staged Reinforcement Learning, *Computing and Informatics*, 2024, accepted.
3. Leiming Chen, Weishan Zhang, Cihao Dong, Dehai Zhao, Xingjie Zeng, **Sibo Qiao***, Yichang Zhu, Chee Wei Tan. FedTKD: A Trustworthy Heterogeneous Federated Learning Based on

Adaptive Knowledge Distillation, *Entropy*, 2024, 26(1): 96.

4. **Sibo Qiao**, Shanchen Pang, Pengfei Xie, Wenjing Yin, Shihang Yu, Haiyuan Gui, Min Wang, Zhihan Lyu. HCMMNet: Hierarchical Conv-MLP-Mixed Network for Medical Image Segmentation in Metaverse for Consumer Health, *IEEE Transactions on Consumer Electronics*, 2023, doi: 10.1109/TCE.2023.3337234.
5. **Sibo Qiao**, Shanchen Pang, Gang Luo, Yi Sun, Wenjing Yin, Silin Pan, Zhihan Lv, DPC-MSGATNet: dual-path chain multi-scale gated axial-transformer network for four-chamber view segmentation in fetal echocardiography. *Complex & Intelligent Systems*, 2023, 9: 4503-4519.
6. **Sibo Qiao**, Silin Pan, Gang Luo, Shanchen Pang, Taotao Chen, Amit Kumar Singh, Zhihan Lv. A Pseudo-Siamese Feature Fusion Generative Adversarial Network for Synthesizing High-quality Fetal Four-chamber Views, *IEEE Journal of Biomedical and Health Informatics*, 2023, 27(3): 1193-1204.
7. Shudong Wang, Fuyu Wang, **Sibo Qiao***, Yu Zhuang, Kuijie Zhang, Shanchen Pang*, Robert Nowak, Zhihan Lv. MSHGANMDA: Meta-Subgraphs Heterogeneous Graph Attention Network for miRNA-Disease Association Prediction, *IEEE Journal of Biomedical and Health Informatics*, 2023, 27(10): 4639-4648.
8. Huiqi Zhao, Gaoyuan Liu, Huayi Sun, Guangyuan Zhong, Shanchen Pang, **Sibo Qiao***, Zhihan Lv. An enhanced intrusion detection method for AIM of smart grid, *Journal of Ambient Intelligence and Humanized Computing*, 2023, <https://doi.org/10.1007/s12652-023-04538-4>.
9. **Sibo Qiao**, Shanchen Pang, Gang Luo, Silin Pan, Taotao Chen, Zhihan Lv. FLDS: An Intelligent Feature Learning Detection System for Visualizing Medical Images Supporting Fetal Four-chamber Views, *IEEE Journal of Biomedical and Health Informatics*, 2022, 26(10): 4814-4825.
10. **Sibo Qiao**, Shanchen Pang, Yi Sun, Gang Luo, Wenjing Yin, Yawu Zhao, Silin Pan, Zhihan Lv. SPReCHD: Four-chamber Semantic Parsing Network for Recognizing Fetal Congenital Heart Disease in Medical Metaverse, *IEEE Journal of Biomedical and Health Informatics*, 2022, doi: 10.1109/JBHI.2022.3218577.
11. **Sibo Qiao**, Shanchen Pang, Gang Luo, Silin Pan, Zengchen Yu, Taotao Chen, Zhihan Lv. RLDS: An Explainable Residual Learning Diagnosis System for Fetal Congenital Heart Disease, *Future Generation Computer Systems*, 2022, 128: 205-218.
12. Shanchen Pang, Yu Zhuang, **Sibo Qiao***, Fuyu Wang, Shudong Wang, Zhihan Lv. DCTGM: A Novel Dual-channel Transformer Graph Model for miRNA-disease Association Prediction, *Cognitive Computation*, 2022, <https://doi.org/10.1007/s12559-022-10092-6>.
13. **Sibo Qiao**, Shanchen Pang, Yukun Dong, Haiyuan Gui, Qiwen Yuan, Zelong Zheng, Guoxuan Cui. A Deep Learning-based Intelligent Analysis Platform for Fetal Ultrasound Four-chamber Views, *International Conference on Information Science, Parallel and Distributed Systems*, 2022: 374-379.
14. **Sibo Qiao**, Shanchen Pang, Min Wang, Xue Zhai, Feng Dai. Online Video Popularity Regression Prediction Model with Multichannel Dynamic Scheduling Based on User Behavior. *Chinese Journal of Electronics*, 2021, 30(5):876-884.
15. 乔思波, 庞善臣, 王敏, 翟雪, 于世行, 丁桐. 基于残差混合注意力机制的脑部CT图像分类卷积神经网络模型, *电子学报*, 2021, 49(5): 984-991.
16. **Sibo Qiao**, Shanchen Pang, Xue Zhai, Min Wang, Shihang Yu, Tong Ding, Xiaochun Cheng.

Human Body Multiple Parts Parsing for Person Reidentification Based on Xception.
International Journal of Computational Intelligence Systems, 2021, 14(1): 482-490.

教学科研项目

1. 中国石油大学研究生创新基金资助项目，基于多尺度 Transformer 的胎儿四腔心切面分割方法研究，22CX04036A，2022.4.1-2023.3.31，1 万，主持
2. 教育部产学合作协同育人项目，基于深度学习的先天性心脏疾患辅助诊断系统，220606008080748，2022.6-2023.6，2 万，主持
3. 国家重点研发计划子课题，鲁棒元学习算法设计，2021YFA1000102-3，2021.12-2026.11，在研，参与

获奖情况

1. 2023 年第九届中国“互联网+”大学生创新创业大赛山东省金奖
2. 2023 年青岛千名优秀大学生
3. 2021 年博士研究生国家奖学金
4. 2020 年山东省优秀毕业生
5. 2019 年硕士研究生国家奖学金
6. 2019 年第五届中国“互联网+”大学生创新创业大赛山东省金奖、全国银奖
7. 2019 年第十六届“挑战杯”全国大学生课外学术科技作品竞赛山东赛区特等奖、全国铜奖
8. 2019 年青岛市“海鸥行动”大学生创新创业大赛金奖
9. 2019 年中国石油奖学金
10. 2018 年第四届中国研究生移动端应用设计创新大赛二等奖