# Shishi Qiao, Ph.D., Lecturer

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Shishi Qiao received the B.E. degree in computer science and technology from the Harbin Institute of Technology (HIT), Harbin, China in 2014, and the Ph.D. degree in computer application technology from the Institute of Computing Technology (ICT), Chinese Academy of Sciences (CAS), Beijing, China in 2021, where he was co-supervised by Prof. Xilin Chen and Prof. Ruiping Wang. In 2021, he joined the research group on Micronano Perception and Information Intelligence (MPII) of the College of Electronic Engineering, Ocean University of China (OUC), where he is currently an assistant professor and working with the group leader Prof. Haiyong Zheng. He focuses on the cutting-edge research fields of deep learning and artificial intelligence, including computer vision, and underwater vision, especially on hashing for image/video retrieval, semantical image perception and generation, and underwater sonar data perception.

# **Employment History**

2021 – now **Lecturer.** College of Electronic Engineering, Faculty of Information Science and Engineering, OUC, Qingdao, China.

### Education

2014 – 2021	Ph.D. Visual information processing laboratory (VIPL), Institute of Computing Technol-
	ogy (ICT), Chinese Academy of Sciences (CAS), Beijing, China.
	Advisor: Prof. Xilin Chen, and co-advisor: Prof. Ruiping Wang.
2010 – 2014	BEng. Computer Science and Technology, Harbin Institute of Technology, Harbin, China.

## **Research Publications**

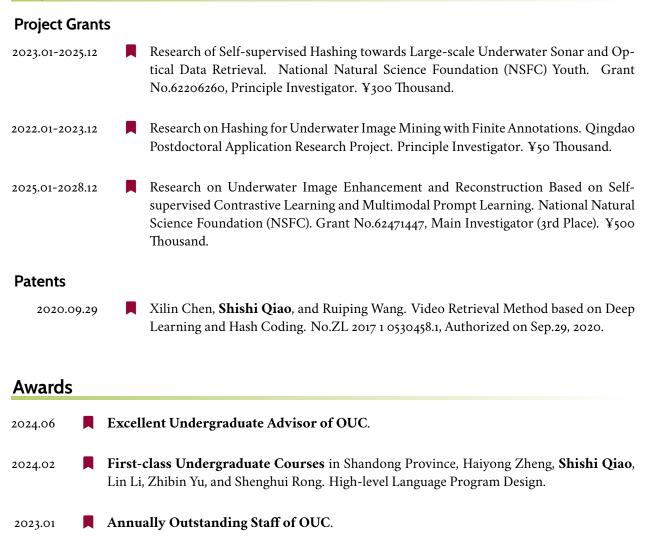
#### **Journal Articles**

- **S. Qiao**, R. Wang, S. Shan, and X. Chen, "Hierarchical image-to-image translation with nested distributions modeling," *Pattern Recognition*, vol. 146, p. 110 058, 2024.
- **S. Qiao**, R. Wang, S. Shan, and X. Chen, "Hierarchical disentangling network for object representation learning," *Pattern Recognition*, vol. 140, p. 109 539, 2023.
- **S. Qiao**, R. Wang, S. Shan, and X. Chen, "Deep video code for efficient face video retrieval," *Pattern Recognition*, vol. 113, p. 107 754, 2021.
- **S. Qiao**, R. Wang, S. Shan, and X. Chen, "Deep heterogeneous hashing for face video retrieval," *IEEE Transactions on Image Processing*, vol. 29, pp. 1299–1312, 2019.

#### **Conference Proceedings**

- R. Wang, **S. Qiao**, R. Wang, S. Shan, and X. Chen, "Hybrid video and image hashing for robust face retrieval," in *2020 15th IEEE International Conference on Automatic Face and Gesture Recognition (FG 2020)*, IEEE, 2020, pp. 168–175.
- R. Wang, R. Wang, **S. Qiao**, S. Shan, and X. Chen, "Deep position-aware hashing for semantic continuous image retrieval," in *Proceedings of the IEEE/CVF winter conference on applications of computer vision*, 2020, pp. 2493–2502.
  - **S. Qiao**, R. Wang, S. Shan, and X. Chen, "Deep video code for efficient face video retrieval," in *Asian Conference on Computer Vision*, 2016, pp. 296–312.

# **Project Grants and Patents**



## **Teaching and Services**

