

# Ren Wang

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## EDUCATION

### Ph.D. in Artificial Intelligence, 2020-Now

Supervised by Prof. Yilong Yin in School of Software, Shandong University, Jinan, China.

### M.S. in Computer Application Technology, 2017-2020

Supervised by Prof. Qiang Guo in Shandong University of Finance and Economics, Jinan, China.

### B.E. in Computer Science and Technology, 2013-2017

School of Information and Electrical Engineering, Ludong University, Yantai, China.

## RESEARCH AREAS

Research interests are in meta-learning methods and theories, especially meta-learning algorithms for data with multi-view attributes.

Meta-Learning: few-shot learning; gradient-based meta-learning; network pruning

Multi-view Learning: deep multi-view representation learning; deep multi-view subspace clustering.

## PUBLICATIONS

### Accepted

- 2023 [Ren Wang](#), Haoliang Sun, Xiushan Nie, Yuxiu Lin, Xiaoming Xi, Yilong Yin. **Multi-View Representation Learning via View-Aware Modulation**. In *Proceedings of the 31st ACM International Conference on Multimedia (ACM MM)*. 2023: 3876-3886.
- 2023 [Ren Wang](#), Haoliang Sun, Yuling Ma, Xiaoming Xi, Yilong Yin. **MetaViewer: Towards A Unified Multi-View Representation**. In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*. 2023: 11590-11599
- 2023 Qi Wei, Lei Feng, Haoliang Sun, [Ren Wang](#), Chenhui Guo, Yilong Yin. **Fine-Grained Classification with Noisy Labels**. In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*. 2023: 11651-11660.
- 2023 Qiang Guo, Lexin Fang, [Ren Wang](#), Caiming Zhang. **Multivariate time series forecasting using multiscale recurrent networks with scale attention and cross-scale guidance**. *IEEE Transactions on Neural Networks and Learning Systems T-NNLS*). 2023.
- 2022 [Ren Wang](#), Haoliang Sun, Xiushan Nie, Yilong Yin. **SNIP-FSL: Finding task-specific lottery jackpots for few-shot learning**. *Knowledge-Based Systems KBS*) 2022, 247: 108427.
- 2019 [Ren Wang](#), Qiang Guo, Shanmei Lu, Caiming Zhang. **Tire Defect Detection Using Fully Convolutional Network**. *IEEE Access* 2019, 7: 43502-43510.

### Preprint

- 2024 [Ren Wang](#), Haoliang Sun, Qi Wei, Xiushan Nie, Yuling Ma, Yilong Yin. **Improving generalization in meta-learning via meta-gradient augmentation**. Submitted to *Pattern Recognition*.
- 2024 [Ren Wang](#), Haoliang Sun, Yuxiu Lin, Yongshun Gong, Wenjia Meng, Yilong Yin. **Parameter-Efficient Deep Multi-View Subspace Clustering**. Submitted to *ECCV*.
- 2024 [Ren Wang](#), Haoliang Sun, Yuxiu Lin, Yongshun Gong, Xiushan Nie, Yilong Yin. **Task-Oriented Multi-View Representation Learning**. In progress.