

# Jia Zhang

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Updated: Jul. 2019

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## Research Interests

- ✚ Multi-label learning: Label relationship exploitation and learning method, weakly supervised learning
- ✚ Feature selection: Embedded method, mutual information-based method
- ✚ Deep learning: Multi-label classification, representation learning on graphs
- ✚ Data fusion: Truth discovery, multi-view learning, transfer learning
- ✚ Recommendation systems
- ✚ Artificial intelligence in medicine: TCM health management, drug repositioning, hospital readmission, ASD prediction

## Experience

- ✚ Sep. 2016– Ph.D. of Computer Science, Xiamen University, Xiamen, P.R. China. Advisor: present Prof. Shaozi Li
- ✚ May 2019– Visiting Student of Computer Science, City University of Hong Kong, Hong Kong. Advisor: Prof. Kay Chen Tan
- ✚ Sep. 2013– M.E. of Computer Science, Minnan Normal University, Zhangzhou, P.R. China. Advisor: Prof. Menglei Lin and Prof. Yaojin Lin
- ✚ Sep. 2009– B.E. of Electronics Science and Technology, Changshu Institute of Technology, Suzhou, P.R. China

## Honers & Awards

- ✚ CaoDewang Scholarship, Xiamen University, Xiamen, 2019
- ✚ Excellent Graduate of Minnan Normal University, Zhangzhou, 2016

## Professional Activities

- ✚ Journal Reviewer: Information Sciences, Knowledge-Based Systems, IEEE Transactions on Neural Networks and Learning Systems
- ✚ Academic Talk and Discussion:  
Entropy-based collaborative filtering algorithm, Aug. 2015, The 15-th Chinese Conference on Machine Learning, Chengdu, P.R. China

## Selected Publications

- ✚ Jia Zhang, Zhiming Luo, Candong Li, Changen Zhou, Shaozi Li. [Manifold regularized discriminative feature selection for multi-label learning](#). *Pattern Recognition*, 2019, 95: 136-150.
- ✚ Jia Zhang, Candong Li, Zhenqiang Sun, Zhiming Luo, Changen Zhou, Shaozi Li. [Towards a unified multi-source-based optimization framework for multi-label learning](#). *Applied Soft Computing*, 2019, 76: 425-435.
- ✚ Jia Zhang, Candong Li, Donglin Cao, Yaojin Lin, Songzhi Su, Liang Dai, Shaozi Li. [Multi-label learning with label-specific features by resolving label correlations](#). *Knowledge-Based Systems*, 2018, 159: 148-157.
- ✚ Jia Zhang, Candong Li, Yaojin Lin, Youwei Shao, Shaozi Li. [Computational drug repositioning using collaborative filtering via multi-source fusion](#). *Expert Systems with Applications*, 2017, 84: 281-289.
- ✚ Jia Zhang, Yaojin Lin, Menglei Lin, Jinghua Liu. [An effective collaborative filtering algorithm based on user preference clustering](#). *Applied Intelligence*, 2016, 45 (2): 230-240.
- ✚ Zhenqiang Sun, Jia Zhang, Liang Dai, Candong Li, Changen Zhou, Jiliang Xin, Shaozi Li. [Mutual information based multi-label feature selection via constrained convex optimization](#). *Neurocomputing*, 2019, 329: 447-456.
- ✚ Liang Dai, Jia Zhang, Candong Li, Changen Zhou, Shaozi Li. [Multi-label feature selection with application to TCM state identification](#). *Concurrency and Computation: Practice and Experience*, 2018, e4634.
- ✚ Jinghua Liu, Yaojin Lin, Menglei Lin, Shunxiang Wu, Jia Zhang. [Feature selection based on quality of information](#). *Neurocomputing*, 2017, 225: 11-22.
- ✚ Yaojin Lin, Qinghua Hu, Jia Zhang, Xindong Wu. [Multi-label feature selection with streaming labels](#). *Information Sciences*, 2016, 372: 256-275.