

Qiaoyu Tan

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RESEARCH INTERESTS

Machine learning and data mining, with an emphasis on multi-label learning, semi-supervised learning, multi-view learning, matrix completion and dimension reduction

EDUCATION

Southwest University

B.S. in Computer Science and Technology (Summa Cum Laude)

GPA: overall 3.71/4; major 3.97/4 (ranking 1/38)

Chongqing, P.R. China

Sep.2013 – Jul.2017

University of California, Berkeley

Summer Session Student in Computer Science

Studied discrete mathematics and probability theory

Berkeley, CA, USA

Jun.2015 – Aug.2015

PUBLICATIONS

Qiaoyu Tan, Guoxian Yu, Carlotta Domeniconi, Jun Wang and Zili Zhang. *Multi-view weak-label Learning based on Matrix Completion*, in Proceedings of the **SIAM International Conference on Data Mining (SDM2018)**, San Diego, CA, 2018.

Qiaoyu Tan, Yanming Yu, Yezi Liu, Guoxian Yu and Jun Wang. *Semi-Supervised Multi-Label Classification using Incomplete Label Information*, **Neurocomputing**, 260: 192-202, 2017.

Qiaoyu Tan, Yezi Liu, Xia Chen and Guoxian Yu. *Multi-Label Classification Based on Low Rank Representation for Image Annotation*, **Remote Sensing**, 9(2): 109, 2017.

Qiaoyu Tan, Guoxian Yu, Jun Wang and Maozu Guo. *Ensemble weak-label classification by maximizing dependency between label and feature (in Chinese with English abstract)*, **Journal of Software**, 28(11): 2851-2864, 2017.

RESEARCH PROJECTS

National Undergraduate Training Programs for Innovation and Entrepreneurship Project, Weakly-supervised classification for high-dimensional data with few labeled samples (201610635047), China, 14000RMB. **PI**

Southwest University Undergraduate Science and Technology Innovation Fund Project, Image Classification using high-order semantic relationship (20153601001), Southwest University, 1000RMB. **PI**

CONFERENCE/PRESENTATIONS

The SIAM International Conference on Data Mining (SDM2018), San Diego, CA, May 3-5, 2018.

China Conference on Machine Learning (CCML2017), jointly organized by the China Artificial Intelligence Association and China Computer Federation (CCF), Tianjin, China, July 26-28, 2017. **Oral presentation**

China National Computer Congress (CNCC2016), organized by the China Computer Federation (CCF), Taiyuan, China, October 20-22, 2016.

PROFESSIONAL EXPERIENCE

Undergraduate Research Assistant

2014 – Present

*Department of Computer and Information Science
Southwest University*

- Focused on multi-* (view, label) learning and their applications
- Supervisor: Guoxian Yu.

SKILLS

Programming Language: Java, MATLAB, C, C++

System: Linux/Unix, Windows