

Peiyan Li (Morris)

A Third-Year Master Student in Computer Science
Data Mining Lab CS Department in UESTC

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RESEARCH INTERESTS

Data mining and machine Learning for graphs/networks; as well as multi-label learning with its applications.

EDUCATION

Sept 2016 CURRENT	Master , degree expected by June, 2019 Advisor: Prof. Dr. Junming Shao , director of Data Mining Lab University of Electronic Science and Technology of China
Sept 2012 JUNE 2016	Bachelor of Engineering in Computer Science University of Electronic Science and Technology of China Bachelor Thesis: Matrix Completion for Link Prediction

EXPERIENCE

Feb. 2018 Nov. 2018	Research Project: Attributed Network Mining via Metric Learning (1) Proposed a new community detection algorithm for attributed networks, to integrate topological structure and node attributes in a local metric space; (2) Lead author, submitted to the Web Conference (WWW).
Sept. 2017 Jan. 2018	Research Project: Multi-label Metric Learning (1) Established a metric learning approach for multi-label classification, to solve the inherited inconsistency problem, and to seek a good similarity function to reveal the connection between the multi-inputs and multi-outputs. (2) Lead author, submitted to IJCAI, Information Systems.
Mar. 2017 Aug. 2017	Algorithm Design for Wireless Positioning System, Huawei Technologies Co., Ltd. (1) Developed a series of positioning algorithms for Huawei Wireless Department; (2) Explored scientific merit in the wireless data collected by telecom base station.
Aug. 2014 Jun. 2016	Undergraduate Researcher at Complex Lab, UESTC (1) Explored the most important statistical characteristics for complex networks that are known from regular networks and random networks; (2) Analyzed the physical process which is sensitive to the topological structure of networks; (3) Summarized those works to my bachelor thesis.

PUBLICATIONS

- Robust Community Detection on Attributed Networks via Local Metric Learning**
- Peiyan Li, Honglian Wang, Chen Huang, Junming Shao.
- Submitted to WWW. [Manuscript](#)
- Online Semi-supervised Learning with Budgeted Least Squares**
- Chen Huang, Peiyan Li, Chongming Gao, Junming Shao.
- Submitted to IJCAI for blind review.
- Exploiting Inconsistency in Multi-label Classification via Metric Learning.**
- Peiyan Li, Chen Huang, Han Wang, Zhili Qin, Honglian Wang, Junming Shao.
- Under review at Information Systems. [Manuscript](#)
- Multi-view Discriminative Learning via Joint Non-negative Matrix Factorization.**
- Zhong Zhang, Zhili Qin, Peiyan Li, Qinli Yang and Junming Shao.
- In proceedings of the DASFAA 2018 Conference. [Paper](#)

5. **Exploring Common and Distinct Structural Connectivity Patterns Between Schizophrenia and Major Depression via Cluster-driven Nonnegative Matrix Factorization**
- Junming Shao, Zhongjing Yu, Peiyan Li, Wei Han, Christian Sorg, and Qinli Yang.
- In proceedings of the ICDM 2017 Conference. [Paper](#)

HIGHLIGHTED COURSE PROJECTS

1. **Application of Low-rank Representation in Image Transformation**, Pattern Recognition coursework. *90/100*. [Report](#)
2. **Automatic Text Summarizer**, Machine Learning coursework. *85/100*. [Report](#)
3. **A Review of Extreme Multi-label Learning**, Data Mining coursework. *95/100*. [Review](#)
4. **A Brief Survey on Attributed Network Mining**, Complex Network coursework. *98/100*. [Review](#)

LANGUAGE AND SKILLS

- IELTS: 8.5 (Reading) + 6.5 (Listening) + 6.0 (Speaking) + 6.5 (Writing) = 7.0 (Overall C1)
- Programming: PYTHON, MATLAB, JAVA with practical experiences
- Deep Learning Toolkits: Tensorflow, Keras
- Others: Linux, \LaTeX , Markdown, Jupyter notebook

ACTIVITIES

Webmaster of Data Mining Lab.	Mar. 2016 - Jun. 2018
Teaching Assistant of Data Mining course.	Sept. 2017 - Dec. 2017
Teaching Assistant of Scientific Writing course, Summer School	Jul. 2017
Student Assistant in college office	Feb. 2014 - Jun. 2014

SELF-EVALUATION

An active thinker. A good team player. An explorer.