Limeng Cui

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Date of Birth: June 9, 1995

Education

2013–Present **PhD candidate**.
School of Computer and Control Engineering, University of Chinese Academy of Sciences (UCAS), Beijing
Advisor: Prof. Yong Shi
Thesis: Multi-source Heterogeneous Data Fusion for Visual Data Analysis

2009–2013 **B.Sc in Software Engineering**.
School of Software, Beijing Institution of Technology (BIT), Beijing
Thesis: News Recommendation based on One-class SVM

Research Experiences

2013–Present **Research Center on Fictitious Economy & Data Science @ UCAS**, *Research Assistant*.
Research Topic: Weakly labeled learning with applications to computer vision.
Supervisor: Prof. Yong Shi

2016–2017 **Big Data and Social Computing Lab @ UIC**, *Student Intern*.
Research Topic: Heterogeneous data fusion and multi-view learning with applications to computer vision.
Supervisor: Prof. Philip S. Yu

Research Internship

2015–2016 **Chunyutianxia Software Co., Ltd**, *Project Researcher*.
Big Data Mining Based Intelligent Medical Research
- Developed automatic triage and skin disease detection modules for Chunyuyisheng mobile client which can decrease the overall medical referral rate;
- Developed an automatic Q&A information classification system based on massive historical records.

2014–2015 **Xinhua News Agency**, *Project Researcher*.
"Xinhua 08" - Financial Data Cloud Service Platform Construction Project
- Developed an ontology based news recommendation system which is applied for computer software copyright (No. 2015R11L040118);
- Applied data mining technology to analyze the effect of financial news to stock market.

2013–2014 **Industrial and Commercial Bank of China**, *Research Developer*.
High-end Customer Churn Analysis
- Designed a high-end customer churn model;
- Designed and implemented the customer retention framework.

Honors and Awards

2016 Scholarship of China Scholarship Council (for top 5% of students)

2014 Outstanding student of UCAS (for top 20% of students)

2013 Second Prize, Scholarship of BIT (for top 20% of students)

2012 Honorable Mention, American Mathematical Contest in Modeling

2012 Second Prize, Scholarship of BIT (for top 20% of students)

Publication

[1] **Limeng Cui**, Zhensong Chen, Jiawei Zhang, Lifang He, Yong Shi and Philip S. Yu. Multi-view Fusion through Cross-modal Retrieval. Submitted to *IEEE International Conference on Image Processing (ICIP)*, 2018. (Under submission)

[2] Jiawei Zhang, **Limeng Cui** and Yanjie Fu. LATTE: Application Oriented Network Embedding. Submitted to *ACM SIGKDD*, 2018. (Under submission)

[3] Jiawei Zhang, Chenwei Zhang, Bowen Dong, **Limeng Cui**, Yang Yang, Philip S. Yu and Yanjie Fu. Missing Entity Synergistic Completion across Multiple Isomeric Online Knowledge Libraries. Submitted to *ACM SIGKDD*, 2018. (Under submission)

[4] **Limeng Cui**, Zhensong Chen, Jiawei Zhang, Lifang He, Yong Shi and Philip S. Yu. Multi-view Collective Tensor Decomposition for Cross-modal Hashing. In *Proceedings of ACM International Conference on Multimedia Retrieval (ICMR)*, 2018.

[5] **Limeng Cui**, Jiawei Zhang, Zhensong Chen, Yong Shi and Philip S. Yu. Inverse Extreme Learning Machine for Learning with Label Proportions. In *Proceedings of IEEE International Conference on Big Data*, 2017.

[6] Yong Shi, **Limeng Cui (Main Contributor)**, Zhensong Chen and Zhiquan Qi. Learning from Label Proportions with Pinball Loss. *International Journal of Machine Learning and Cybernetics*, 2017. (accepted)

[7] Jiawei Zhang, Congying Xia, Chenwei Zhang, **Limeng Cui**, Yanjie Fu and Philip S. Yu. BL-MNE: Emerging Heterogeneous Social Network Embedding through Broad Learning with Aligned Autoencoder. In *Proceedings of IEEE International Conference on Data Mining (ICDM)*, 2017.

[8] Jiawei Zhang, **Limeng Cui**, Philip S. Yu and Yuanhua Lv. BL-ECD: Broad Learning based Enterprise Community Detection via Hierarchical Structure Fusion. In *Proceedings of ACM International Conference on Information and Knowledge Management (CIKM)*, 2017.

[9] Zhensong Chen, Zhiquan Qi, Bo Wang, **Limeng Cui**, Fan Meng and Yong Shi. Learning with label proportions based on nonparallel support vector machines. *Knowledge Based Systems*, 2017.

[10] Yong Shi, **Limeng Cui (Main Contributor)**, Zhiquan Qi, Fan Meng and Zhensong Chen. Automatic Road Crack Detection Using Random Structured Forests. *IEEE Transactions on Intelligent Transportation Systems*, 2016.

[11] **Limeng Cui**, Zhensong Chen, Fan Meng and Yong Shi. Laplacian SVM for Learning from Label Proportions. In *IEEE International Conference on Data Mining Workshops (ICDMW)*, 2016.

[12] **Limeng Cui**, Zhiquan Qi and Fan Meng. A Proportion Learning Algorithm with Density Peaks. In *International Conference on Information Technology and Quantitative Management (ITQM)*, 2016.

[13] **Limeng Cui**, Zhiquan Qi, Zhensong Chen, Fan Meng and Yong Shi. Pavement Distress Detection Using Random Decision Forests. In *Proceedings of International Conference on Data Science (ICDS)*, 2015.

[14] **Limeng Cui**, Fan Meng, Yong Shi, Minqiang Li and An Liu. A hierarchy method based on LDA and SVM for news classification. In *IEEE International Conference on Data Mining Workshops (ICDMW)*, 2014.

Conference Talks

2016 International Conference on Information Technology and Quantitative Management (ITQM), Asan

2014 IEEE International Conference on Data Mining (ICDM), Shenzhen

2014 International Conference on Information Technology and Quantitative Management (ITQM), Moscow

Professional Services

Journal Reviewer

2016,2017 Annuals of Data Science (AODS)

2017 Knowledge-Based Systems (KBS)

2016 ACM Transactions on Knowledge Discovery from Data (TKDD)

Technical Skills

Python, C++, TensorFlow, MATLAB, SQL, LaTeX

References

References are available upon request.