

Chongming Gao

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Research Interests

Data Mining and Machine Learning, with a focus on leveraging graph analysis and clustering techniques, to a wide range of questions including spatio-temporal data analysis, pattern-based graph embedding, recommender system and so on.

Education

- 2019.10–Later **The University of Queensland, Australia.**
Ph.D. in School of Information Technology and Electrical Engineering (ITEE).
Supervisor: [Hongzhi Yin](#).
- 2016.09–2019.07 **University of Electronic Science and Technology of China.**
M.Eng. in Department of Computer Science and Technology.
Supervisor: [Junming Shao](#).
- 2012.09–2016.07 **University of Electronic Science and Technology of China.**
B.Eng. in *Yingcai Honors College* (Elite program of UESTC). GPA: 3.81, Ranking: 9/72
Supervisor: [Junming Shao](#), since the junior year.
Thesis: Synchronization-inspired Co-clustering and Its Application to Gene Expression Data.

Researches

- Accepted **BLOMA: Explain Collaborative Filtering via Boosted Local Rank-One Matrix Approximation.**
[Chongming Gao](#), Shuai Yuan, Zhong Zhang, Hongzhi Yin, Junming Shao
International Conference on Database Systems for Advanced Applications (DASFAA'19)
- Accepted **Towards Robust Arbitrarily Oriented Subspace Clustering.**
Zhong Zhang, [Chongming Gao](#), Qinli Yang, Junming Shao
International Conference on Database Systems for Advanced Applications (DASFAA'19)
- Accepted **SemiSync: Semi-supervised Clustering by Synchronization.**
Zhong Zhang, DiDi Kang, [Chongming Gao](#), Junming Shao
International Conference on Database Systems for Advanced Applications (DASFAA'19)
- Accepted **Synchronization-inspired Co-clustering and Its Application to Gene Expression Data.**
Junming Shao, [Chongming Gao](#), Wei Zeng, Jingkuan Song, Qinli Yang
IEEE International Conference on Data Mining (ICDM'17)
- Under Review **Semantic Trajectory Representation and Retrieval via Hierarchical Embedding.**
[Chongming Gao](#), Chen Huang, Zhong Zhang, Qinli Yang, Junming Shao
Submitted to *Data Mining and Knowledge Discovery (DMKD)*, still under review.
- Under Review **Semantic Trajectory Compression via Multi-resolution Synchronization-based Clustering.**
[Chongming Gao](#), Yi Zhao, Ruizhi Wu, Qinli Yang, Junming Shao
Submitted to *Knowledge-Based Systems (KBS)*, still under review.
- To Be Submitted **AntClu: Any-time Trajectory Clustering via Dynamic Trend Representation.**
Yi Zhao, [Chongming Gao](#), Ruizhi Wu, Qinli Yang, Junming Shao
- To Be Submitted **STAR: A Space-Time Architecture for Semantic Trajectory Representation.**
Junming Shao, Weiwen Xu, Honglian Wang, Ruizhi Wu, [Chongming Gao](#), Qinli Yang

Awards

- 2016 **Rank No.1** in Undergraduate Thesis Defense of UESTC. Outstanding graduation thesis award.
- 2016 *Honorary Graduate* of UESTC. Top 10 in Yingcai Honors College.
- 2014 *Meritorious Winner* for CSIAM's China Undergraduate Mathematical Contest in Modeling.
- 2013 *First Prize* in Sichuan Contest District in China Undergraduate Mathematical Contest in Modeling.
- 2012 *Tang Lixin Scholarship* of UESTC. Top 60 out of over 25,000 undergraduate and graduate students.
- 2012 **Rank No.1** in entering UESTC from Yunnan Province (Score: 614).

Computer Skills

- Programming JAVA, MATLAB, Python, C/C++, \LaTeX , HTML5+CSS3+Javascript
- Prototyping Adobe Illustrator, Adobe Photoshop

Interests

Reading, Jogging, Diving, Climbing, Photography, Drawing.