

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

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

To Be Submitted

Correlation Clustering via Low-Rank Segmentation Model.

Zhong Zhang, [Chongming Gao](#), Qinli Yang, Junming Shao

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.