

# Chongming Gao

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## Research Interests

**Data Mining and Artificial Intelligence**, with a focus on leveraging graph analysis and deep learning methods, to a wide range of questions including spatio-temporal data analysis, recommender system, dialogue system, and so on..

## Experiences

- After 2020 **The University of Queensland, Australia.**  
Ph.D. in School of Information Technology and Electrical Engineering (ITEE)  
Supervisor: [Hongzhi Yin](#).  
Research topics: Recommender System and NLP.
- 2019.03–2019.09 **Alibaba DAMO Academy AI Labs.**  
Research intern under the supervision of [Hao Wang](#) and [Zaiqing Nie](#).  
Internship achievement: Submitted a paper to WWW'20 (still under review).
- 2016.09–2019.06 **University of Electronic Science and Technology of China.**  
M.Eng. in Department of Computer Science and Technology.  
Supervisor: [Junming Shao](#).  
Thesis: Synchronization-inspired Co-clustering and Its Application to Gene Expression Data.
- 2012.09–2016.06 **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.

## Research Publications

- 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)*,  
(CORE2018 Rank B, CCF B, Rating: 3.0)
- Accepted **\*Semantic Trajectory Compression via Multi-resolution Synchronization-based Clustering.**  
[Chongming Gao](#), [Yi Zhao](#), [Ruizhi Wu](#), [Qinli Yang](#), [Junming Shao](#)  
*Knowledge-Based Systems (KBS'19)*,  
(SJR Rank Q1, H Index: 82, ERA2010 Rating: 5.0)
- 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)*,  
(CORE2018 Rank: A\*, Rating: 5.0, CCF B).
- Accepted **Towards Robust Arbitrarily Oriented Subspace Clustering** Best Paper Award.  
[Zhong Zhang](#), [Chongming Gao](#), [Chongzhi Liu](#), [Qinli Yang](#), [Junming Shao](#)  
*International Conference on Database Systems for Advanced Applications (DASFAA'19)*,  
(CORE2018 Rank B, Rating: 3.0, CCF B)

- Accepted **Online Budgeted Least Squares with Unlabeled Data.**  
Chen Huang, Peiyan Li, Chongming Gao, Qinli Yang, Junming Shao  
*IEEE International Conference on Data Mining (ICDM'19)*,  
(CORE2018 Rank: A\*, Rating: 5.0, CCF B).
- Accepted **Generating Reliable Friends via Adversarial Training to Improve Social Recommendation.**  
Junliang Yu, Min Gao, Hongzhi Yin, Jundong Li, Chongming Gao, Qinyong Wang  
*IEEE International Conference on Data Mining (ICDM'19)*,  
(CORE2018 Rank: A\*, Rating: 5.0, CCF B).
- 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)*,  
(CORE2018 Rank B, CCF B, Rating: 3.0, CCF B)
- Under Review (Minor Revision) **Semantic Trajectory Representation and Retrieval via Hierarchical Embedding.**  
Chongming Gao, Chen Huang, Zhong Zhang, Qinli Yang, Junming Shao  
Submitted to *Information Sciences*, still under review  
(SJR Q1, H index: 154).
- Under Review **\*Item Recommendation on Shared Accounts through User Identification.**  
Chongming Gao, Hao Wang, Junliang Yu, Yong Cao, Zaiqing Nie, Hongzhi Yin  
Submitted to *ACM International Conference on Web Search and Data Mining (WWW'20)*  
(CORE2018 Rank A\*, CCF A), still under review.

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## Awards

- 2019 One of our papers won the **Best Paper Award** of DASFAA'19 (CORE2018 Rank B, CCF B).
- 2019 *Outstanding Master's Thesis Award* of UESTC. (86/3744)
- 2019 *Outstanding Graduate Student Award* of UESTC.
- 2016 **Rank No.1** in Undergraduate Thesis Defense of UESTC. *Outstanding Undergraduation Thesis.*
- 2016 *Outstanding Undergraduate Student Award* 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).

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## Computer Skills

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

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## Interests

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