

# Chongming Gao 高崇铭

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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

- 2020.07–Now  
Research Intern **Kuaishou**.  
Research intern under the supervision of [Wenqiang Lei](#), Xun Lu, and [Xiangnan He](#).  
Doing researches about the topic of conversational recommender systems.
- 2019.03–2019.09  
Research Intern **Alibaba AI Labs**.  
Research intern under the supervision of [Hao Wang](#) and [Zaiqing Nie](#).  
Internship achievement: Submitted a paper to KDD'20 (still under review).

## Education

- 2020.09–Now  
D.Eng. **University of Science and Technology of China (USTC)**.  
School of Information Science and Technology.  
Advisor: [Xiangnan He](#).  
Research topics: conversational recommender systems; causal recommendation.
- 2016.09–2019.06  
M.Eng. **University of Electronic Science and Technology of China (UESTC)**.  
Department of Computer Science and Technology.  
Supervisor: [Junming Shao](#).  
Thesis: Trajectory Semantic Representation and Location Recommender Systems.
- 2012.09–2016.06  
B.Eng. **University of Electronic Science and Technology of China (UESTC)**.  
*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

- IS'20 **Semantic Trajectory Representation and Retrieval via Hierarchical Embedding**.  
[Chongming Gao](#), Chen Huang, Zhong Zhang, Qinli Yang, Junming Shao  
*Information Sciences (IS'20)*  
(SJR Q1, H index: 154, CiteScore: 6.90, Impact Factor: 5.524).
- DASFAA'19 **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, CCF B)
- DASFAA'19 **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)

- KBS'19 **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 Q1, H Index: 94, CiteScore: 7.01, Impact Factor: 5.101)
- ICDM'19 **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\*, CCF B).
- ICDM'19 **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\*, CCF B).
- DASFAA'19 **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)
- ICDM'17 **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\*, CCF B).

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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++,  $\LaTeX$ , HTML5+CSS3+Javascript  
Prototyping Adobe Illustrator, Adobe Photoshop

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## Interests

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