# Pengyang Wang

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| CONTACT INFORMATION | Department of Computer Science<br>Missouri University of Science and Technology<br>Email: pwqt3@mst.edu<br>Web: http://pengyangwang.com/ | 500 W 15TH ST<br>Rolla, MO, USA 65401<br>Phone: (573) 202-1589 |

RESEARCH INTERESTS

My interest is big data analytics, business intelligence and their applications, e.g. recommender systems and urban computing.

EDUCATION

**Ph.D.**, Computer Science, Missouri University of Science and Technology, Present
**M.S.**, Information Security, Beijing University of Posts and Telecommunications, 2017.
**B.S.**, Information Security, Xidian University, 2014.

HONORS

Graduate Research Assistantship, Missouri University of Science and Technology, 2017-2018
The First Honor Graduate Scholarship, Beijing University of Posts and Telecommunications, 2014-2017
The Third Prize in the 24th Spark-Cup Undergraduate Academic and Technology Competition, 2013
The First Prize in the China Northwest Mathematical Modeling League, 2012
College Undergraduate Scholarship, Xidian University, 2010-2014

RESEARCH EXPERIENCE

**Research Assistant**, Data Mining Lab
Missouri University of Science and Technology, MO, USA                    Present
- On urban computing, mainly focus on spatial-temporal graph structure learning.

**Research Assistant**, National Disaster Recovery Engineering Lab
Beijing University of Posts and Telecommunications, Beijing, China          2014-2017
- Design and implement recommender systems of the on-line recruiting system.

TEACHING EXPERIENCE

**Teaching Assistant**, Department of Computer Science,
Missouri University of Science and Technology, MO, USA                    Fall, 2017
- Software Engineering (Undergraduate-level)
- Instructor: Dr. Yanjie Fu

PAPERS

1. **Pengyang Wang**, Jiawei Zhang, Guannan Liu, Yanjie Fu and Charu Aggarwal, "Ensemble-Spotting: Prioritizing Vibrant Communities via POI Embedding with Multi-view Spatial Graph". 2018 SIAM International Conference on Data Mining (SDM).(Under Reviewing)
2. Kunpeng Liu, **Pengyang Wang**, Jiawei Zhang, Guannan Liu, Yanjie Fu and Sajal K. Das, "Incorporating Interaction Coupling among Multi-View Spatiotemporal Contexts for Mobike Destination Prediction". 2018 SIAM International Conference on Data Mining (SDM).(Under Reviewing)
3. Yanjie Fu, **Pengyang Wang**, Yu Zheng, Dan Lin, Xiaolin Li, Yan Song, "How Predictable are Vibrant Communities? Insights from the Perspective of Spatial Conguration and Social Interaction". IEEE Transactions on Big Data (TBD).(Under Reviewing)
4. **Pengyang Wang**, Yanjie Fu, Jiawei Zhang and Guannan Liu, "Learning Urban Community Structures: A Collective Embedding Perspective with Periodic Spatialtemporal Mobility Graphs". ACM Transactions on Intelligent Systems and Technology (TIST).(Under Reviewing)
5. **Pengyang Wang**, Yingtong Dou and Yang Xin, "The Analysis and Design of the Job Model Based on GBRT and Time Factors". 2016 IEEE International Conference on Knowledge Engineering and Applications, Singapore.

SKILL SETS

- Statistics, Data Mining, Machine Learning, Data Analysis.
- Python, Matlab, R, SQL, LaTeX.