

SI ZHANG

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RESEARCH INTERESTS

Large-scale data mining and machine learning in graphs, especially network alignment in applications of social network analysis and dense subgraph detection in applications of fraud detection.

EDUCATION

Arizona State University, Tempe, AZ, U.S. Ph.D. student in Computer Engineering (CS), GPA 4.0/4.0 Advisor: Dr. Hanghang Tong	Jan. 2016 – Jan. 2021 (Expected)
Arizona State University, Tempe, AZ, U.S. M.S. in Computer Engineering (CS), GPA 3.9/4.0	Sep. 2014 – Dec. 2015
Xi'an Jiaotong University, Xi'an, China B.Eng. in Information Engineering, GPA 3.5/4.0	Sep. 2010 – May. 2014

RESEARCH EXPERIENCES

Research Assistant, Arizona State University Area of Research: Graph mining, Network Alignment, Dense Subgraph Detection	Jan. 2016 – Present
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- Proposed a new model for network alignment on attributed networks
- Worked on the project of fraud detection

PUBLICATIONS

Si Zhang, Hanghang Tong, Jie Tang, Jiejun Xu, Wei Fan. **iNEAT: Incomplete Network Alignment**. ICDM 2017

Dawei Zhou, **Si Zhang**, Mehmet Yigit Yildirim, Scott Alcorn, Hanghang Tong, Hasan Davulcu, Jingrui He. **A Local Algorithm for Structure-Preserving Graph Cut**. 23rd ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD**), 2017

Boxin Du, **Si Zhang**, Nan Cao, Hanghang Tong. **FIRST: Fast Interactive Attributed Subgraph Matching**. **FIRST: Fast Interactive Attributed Subgraph Matching**. 23rd ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD**), 2017

Si Zhang, Dawei Zhou, Mehmet Yigit Yildirim, Scott Alcorn, Jingrui He, Hasan Davulcu, Hanghang Tong, “HiDDen: Hierarchical Dense Subgraph Detection with Applications to Financial Fraud Detection”, SIAM International Conference on Data Mining (**SDM**), 2017

Si Zhang, Hanghang Tong, “FINAL: Fast Attributed Network Alignment”, 22nd ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD**), 2016

HONORS AND AWARDS

- SDM Student Travel Award 2017
- KDD Student Travel Award 2016

PROFESSIONAL SERVICE

Subreviewers for KDD’16, ICDM’16, WSDM’16, ASONAM’16, SDM’17, WWW’17