YUNTIAN HE

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EDUCATION

The Ohio State University *Aug 2019 - Present*
Ph.D. in Computer Science & Engineering *Columbus, OH*
Advisor: Prof. Srinivasan Parthasarathy

University of Science and Technology of China *Sep 2016 - June 2019*
M.E. in Computer Science & Technology *Hefei, China*
Thesis: Research on Sampling Techniques for Large-scale Social Networks
Advisor: Prof. Kai Han

Xi'an Jiaotong University *Aug 2010 - June 2016*
B.E. in Computer Science & Technology *Xi'an, China*
Member of the Special Class for the Gifted Young

RESEARCH EXPERIENCE

Data Mining Research Lab, The Ohio State University *Aug 2019 - Present*
Graduate Research Associate *Columbus, OH*

- Research interests: graph embedding, social network analysis, knowledge graph refinement
- Current project: Embedding for author identification in heterogenous forum networks
- Incoming project: *Hazards SEES*: Social and physical sensing enabled decision support for disaster management and response

University of Science and Technology of China *Feb 2016 - June 2019*
Research Assistant *Hefei, China*

- Proposed algorithms for graph data analysis. Topics included: clustering probablistic graph, influence maximization, top-k personalized PageRank.
- Developed online pricing mechanisms for mobile crowdsourcing based on the Multi-Armed Bandit paradigm.
- Analyzed the complexity and performance guarantee of algorithms.
- Designed and implemented experiments to evaluate the performance of algorithms.
- Authored five papers and prepared presentations at international conferences.

TECHNICAL STRENGTHS

Programming Languages	C++, C, Java, Python, Matlab
Frameworks & Tools	Eclipse, Visual Studio, LaTeX, Scikit-learn, OpenMP, CUDA, MPI

PUBLICATIONS

[1] Kai Han, Yuntian He, Keke Huang, Xiaokui Xiao, Shaojie Tang, Jingxin Xu, and Liusheng Huang. Best bang for the buck: Cost-effective seed selection for online social networks. *IEEE Transactions on Knowledge and Data Engineering*, 2019

[2] Kai Han, Fei Gui, Xiaokui Xiao, Jing Tang, Yuntian He, Zongmai Cao, and He Huang. Efficient and effective algorithms for clustering uncertain graphs. In *Proceedings of the 44th International Conference on Very Large Data Bases*, 2019

[3] Kai Han, Yuntian He, Xiaokui Xiao, Shaojie Tang, Fei Gui, Chaoting Xu, and Jun Luo. Organizing an influential social event under a budget constraint. *IEEE Transactions on Knowledge and Data Engineering*, 2018

[4] Kai Han, Yuntian He, Xiaokui Xiao, Shaojie Tang, Fei Gui, Chaoting Xu, and Jun Luo. Budget-constrained organization of influential social events. In *2018 IEEE 34th International Conference on Data Engineering*, pages 917–928. IEEE, 2018

[5] Kai Han, Yuntian He, Haisheng Tan, Shaojie Tang, He Huang, and Jun Luo. Online pricing for mobile crowdsourcing with multi-minded users. In *Proceedings of the 18th ACM International Symposium on Mobile Ad Hoc Networking and Computing*. Article No. 18. ACM, 2017