YUNTIAN HE

(614) 598 7496 ⋄ heyuntian.cn@gmail.com

go.osu.edu/yuntian

EDUCATION

The Ohio State University
Ph.D. in Computer Science & Engineering
Advisor: Prof. Srinivasan Parthasarathy

Aug 2019 - Present
Columbus, OH

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

Sep 2016 - June 2019
Hefei, China

Xi'an Jiaotong University
B.E. in Computer Science & Technology
Member of the Special Class for the Gifted Young

Aug 2010 - June 2016
Xi'an, China

RESEARCH EXPERIENCE

Data Mining Research Lab, The Ohio State University
Graduate Research Associate

Aug 2019 - Present
Columbus, OH

· Research interests: network embedding, high performance computing
· Ongoing project: Multi-level distributed learning of graph representations

University of Science and Technology of China
Research Assistant

Feb 2016 - June 2019
Hefei, China

· Research interest: algorithm design for graph data analysis
· Topics included: clustering probabilistic graph, influence maximization, top-k personalized PageRank.

INTERNSHIP

Nokia Bell Labs, Ireland
Machine Learning Intern

June 2020 - Aug 2020
Dublin, Ireland

· Learning embedding of call flows for automatic anomaly detection in IMS

COURSES

Machine Learning	Parallel Computing
Data Mining	High-Performance Deep Learning
Network Science	Speech and Language Processing

TECHNICAL STRENGTHS

Languages	Python, C++, C, Java
Frameworks	Tensorflow, Horovod, PyTorch, Scikit-learn, OpenMP, CUDA, MPI

PUBLICATIONS

[1] K. Han, Y. He, K. Huang, X. Xiao, S. Tang, J. Xu, and L. Huang. Best bang for the buck: Cost-effective seed selection for online social networks. *IEEE Transactions on Knowledge and Data Engineering*, 32(12):2297–2309, 2020

[2] Kai Han, Yuntian He, Alex X Liu, Shaojie Tang, and He Huang. Differentially private and budget-limited bandit learning over matroids. *INFORMS Journal on Computing*, 2020

[3] K. Han, Y. He, X. Xiao, S. Tang, F. Gui, C. Xu, and J. Luo. Organizing an influential social event under a budget constraint. *IEEE Transactions on Knowledge and Data Engineering*, 31(12):2379–2392, 2019

[4] 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

[5] 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

[6] 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

Under preparation

[7] Pranav Maneriker, Yuntian He, and Srinivasan Parthasarathy. Sysml: Stylometry with structure and multitask learning: implications for darknet forum migrant analysis. Submitted to NAACL, 2020