YUNTIAN HE

(614) 598 7496 ⋄ heyuntian.cn@gmail.com
go.osu.edu/yuntian

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: network embedding, high performance computing
- Ongoing project: Multi-level distributed learning of graph representation
- Previous project: Embedding for identification in darknet markets

University of Science and Technology of China *Feb 2016 - June 2019*
Research Assistant *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 *June 2020 - Aug 2020*
Machine Learning Intern *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] 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

[2] 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

[3] 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

[4] 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

[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. Exploring identity and anonymity in darknet markets. 2020