Yingtong Dou (Ph.D. Candidate)

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Education	**Ph.D.**	University of Illinois at Chicago, Computer Science	2017 - *present*
		Advisor: Philip S. Yu	
		Research Area: Graph Mining, Fraud Detection, Secure Machine Learning	
	B.E.	Beijing University of Posts and Telecoms (BUPT), IoT Engineering	2017
		Graduated with *Beijing Excellent Graduate Award*	
		Thesis: *Robust Influence Maximization Algorithm Design for OSNs*	

Working Experience

Research Intern **Noah's Ark Research Lab**   Summer 2018

Mentor: Dr. Zhenhua Dong

Project: Download Fraud Detection in Mobile App Markets

Research Intern **TDCS Lab, BUPT**   2016 - 2017

Mentor: Dr. Xiaolong Deng

Project: Social Influence Measurement and Social Recommender System

Publications

Z. Liu, **Y. Dou**, P. S. Yu, Y. Den, and H. Peng. **"Alleviating the Inconsistency Problem of Applying Graph Neural Network to Fraud Detection."** *ACM SIGIR*, 2020. [arXiv:2005.00625]

Y. Dou, W. Li, Z. Liu, Z. Dong, J. Luo, and P. S. Yu. **"Uncovering Download Fraud Activities in Mobile App Markets."** *ASONAM*, 2019. [doi:10.1145/3341161.3345306]

X. Deng, Y. Yu, D. Guo and **Y. Dou**. **"Efficient CPS Model Based Online Opinion Governance Modeling and Evaluation for Emergency Accidents."** *Springer, GeoInformatica*, 2018. [doi:10.1007/s10707-018-0319-4]

X. Deng, **Y. Dou**, T. Lv, N. QVH. **"A Novel Centrality Cascading Based Edge Parameter Evaluation Method for Robust Influence Maximization."** *IEEE Access*, 2017. [doi:10.1109/access.2017.2764750]

Preprints

Y. Dou. **"A Review of Recent Advance in Online Spam Detection."** *Technical Reports*, 2019. [doi:10.13140/RG.2.2.34813.00485]

L. Sun and **Y. Dou** and C. Yang and J. Wang and P. S. Yu and B. Li. **"Adversarial Attack and Defense on Graph Data: A Survey."** 2018. [arXiv:1812.10528]

Draft Papers

Y. Dou, Z. Liu, Y. Deng, H. Peng, P. S. Yu. **"Efficient Sampling Method for Graph-based Spam Review Detection."** Under preparation.

Y. Dou, G. Ma, S. Xie, P. S. Yu. **"Defending Spam Detectors against Saturation Attacks from Goal-oriented Spammers"** Under preparation.

Teaching

- Teaching Assistant, CS111 Program Design   20Spring, 19Fall, 18Spring, 17Fall
- Teaching Assistant, CS151 Mathematics for Computing   19Spring, 18Fall

Professional Services

- External Reviewer: BigData 2019, CIKM 2019, KDD 2020