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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**
- Y. Dou, Z. Liu, L. Sun, Y. Den, H. Peng, and P. S. Yu.** “**Enhancing Graph Neural Network-based Fraud Detectors against Camouflaged Fraudsters.**” *ACM CIKM*, 2020. [doi:10.1145/3340531.3411903]
- Y. Dou, G. Ma, P. S. Yu, and S. Xie.** “**Robust Spammer Detection by Nash Reinforcement Learning.**” *ACM SIGKDD*, 2020. [doi:10.1145/3394486.3403135]
- 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. [doi:10.1145/3397271.3401253]
- 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. 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**
- 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]
- Teaching**
- Teaching Assistant, CS111 Program Design 17Fall, 18Spring - 20Fall
 - Teaching Assistant, CS151 Mathematics for Computing 18Fall - 19Spring
- Professional Services**
- External Reviewer: BigData'19, CIKM'19, KDD'20, WSDM'21
 - PC Member: AAAI'21, TrueFact@KDD'20
- Honors and Awards**
- Student Travel Awards: SIGIR'20, SIGKDD'20, CIKM'20