YINGTONG DOU

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EDUCATION

University of Illinois at Chicago — Chicago, IL.
- Ph.D. student in Computer Science — Aug. 2017 – Present
- Advisor: Prof. Philip S. Yu
- Research interests: Graph mining / Spam Detection / Data mining

Beijing University of Posts and Telecommunications / Queen Mary University of London — Beijing, China
- Bachelor's degree in Engineering with Beijing Excellent Graduate Award — Sep. 2013 – June. 2017
- Thesis: Robust Influence Maximization Algorithm Design for Online Social Network

WORKING EXPERIENCE

Search and Recommendation Group, Noah's Ark Lab — Shenzhen, China
Research Intern — May. 2018 – Aug. 2018
- Investigated spammers working mechanism in mobile App download fraud.
- Designed and implemented algorithms that filter fraudsters in Huawei Mobile App Store

Key Laboratory of Trustworthy Distributed Computing and Service, BUPT — Beijing, China
Research Assistant — Oct. 2015 – July. 2017
- Finished several research works on recommender systems and influence maximization as a team leader
- Wrote few chapters as a member of the Chinses 973 project on Online Social Network Analysis

TEACHING EXPERIENCE

CS111 CS151, University of Illinois at Chicago — Chicago, IL.
Teaching Assistant — Aug. 2017 – Present
EBU5504 Networks and Protocols, Queen Mary University of London — Beijing, China
Teaching Assistant — Sep. 2015 – Jan. 2016

PUBLICATIONS

[J2] Xiaolong Deng, Yinluan Yu, Danhua Guo, and **Yingtong Dou**, "Efficient CPS model based online opinion governance modeling and evaluation for emergency accidents," GeoInformatica, vol. 68, no. 2, p. 109, Apr. 2018. [doi: 10.1007/s10707-018-0319-4]

[J1] Xiaolong Deng, **Yingtong Dou**, Tiejun Lv, Nguyen QVH. A Novel Centrality Cascading Based Edge Parameter Evaluation Method for Robust Influence Maximization. IEEE Access. 2017; 5:22119-22131. [doi:10.1109/access.2017.2764750]

PROJECTS

Review Spam Detection — Jan. 2018 – Present
- Investigate bots and spams in mobile app stores in Huawei and Tencent
- Train several spam detectors with multiple evasion methods adversarially

Robust Influence Maximization Algorithm Design — Oct. 2016 – May. 2017
- Proposed a centrality-based edge activation probability evaluation method in the independent cascade model
- Evaluate the robustness of various algorithms under various noises

An LBS Android App for Picture Sharing and Food Recommendation — Jun. 2016
- Designed a Bmob-based application to collect users' location information for making restaurant recommendations.
- Made food and restaurant recommendations for users based on their locations and preferences.

HONOURS

Ranked 2/201 in the 6th China College Student Innovation, Originality and Entrepreneurship Challenge in Beijing — 2016
Honorable Mention in 2015 COMAP's Mathematical Contest in Modeling — 2015