

# YINGTONG DOU

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## EDUCATION

### **University of Illinois at Chicago**

Chicago, IL.  
Aug. 2017 – Present

- Ph.D. student in Computer Science
- Advisor: Prof. Philip S. Yu
- Research interests: Social network / Recommender system / Data mining

### **Beijing University of Posts and Telecommunications / Queen Mary University of London**

Beijing, China  
Sep. 2013 – June. 2017

- Bachelor's degree in Engineering with Beijing Excellent Graduate Award
- Thesis: Robust Influence Maximization Algorithm Design for Online Social Network

## ACADEMIC EXPERIENCE

### **Big Data and Social Computing Lab, University of Illinois at Chicago**

Chicago, IL.  
Jul. 2016 – Sep. 2016

#### *Research Intern*

- Contributed ideas and hands-on work to the design of cross-domain recommender systems for social networks.

### **Key Laboratory of Trustworthy Distributed Computing and Service, BUPT**

Beijing, China  
Oct. 2015 – July. 2017

#### *Research Assistant*

- Led team to do several research works on recommender systems and influence maximization
- Wrote few chapters as a member of the Chinses 973 project on Online Social Network Analysis
- Aided Dr. Xiaolong Deng to arrange lab meetings and recruit members.

## TEACHING EXPERIENCE

### **CS111 Program Design I, University of Illinois at Chicago**

Chicago, IL.  
Aug. 2017 – Present

#### *Teaching Assistant*

### **EBU5504 Networks and Protocols, Queen Mary University of London**

Beijing, China  
Sep. 2015 – Jan. 2016

#### *Teaching Assistant*

## PUBLICATIONS

[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]

[W1] Xiaolong Deng, **Yingtong Dou**, Yihua Huang. CPS Model Based Online Opinion Governance Modeling and Evaluation of Emergency Accidents. The 2nd Workshop of EMGIS in 2016 ACM SIGSPATIAL. [doi: 10.1145/3017611.3017619]

[C1] Pengyang Wang, **Yingtong Dou**, Yang Xin. The Analysis and Design of the Job Recommendation Model Based on GBRT and Time Factors. 2016 IEEE International Conference on Knowledge Engineering and Applications. [doi: 10.1109/ickea.2016.7802987]

## PROJECTS

### **Graph-based Spam Detection**

Jan. 2018 – Present

- Compare the state-of-the-art methods in graph-based spam detections
- Train several spam detectors with multiple evasion methods

### **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