

Xinlei He

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Fudan University
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EDUCATION

- | | |
|----------------|---|
| 2017.9-2019.6 | Master of Computer Science, Fudan University
Advisor: Prof. Yang Chen |
| 2018.11-2019.1 | Visiting student
South University of Science and Technology of China.
Host: Prof. Jin Zhang |
| 2018.6-2018.9 | Visiting student
Institute of Computer Science, University of Goettingen.
Host: Prof. Xiaoming Fu |
| 2013.9-2017.6 | Bachelor of Computer Science, Fudan University. |

RESEARCH INTERESTS

- Online/mobile social networks
- User behavior analysis and modeling
- Network security

RESEARCH EXPERIENCES

- Malicious account detection in location-based social networks
 - Building a machine learning-based model to distinguish between legitimate and malicious accounts
 - Applying recurrent neural networks (RNN) to characterize the evolution of user activities
- Social influence identification in online social networks using the cross-site linking function
 - Fully leveraging the aggregated information enabled by the cross-site linking function to identify influential users in online social networks.
 - Predicting the popularity of freshly published post in online social networks

PUBLICATIONS

Qingyuan Gong, Yang Chen, **Xinlei He**, Zhou Zhuang, Tianyi Wang, Hong Huang, Xin Wang, Xiaoming Fu. *DeepScan: Exploiting Deep Learning for Malicious Account Detection in Location-Based Social Networks*. To appear: IEEE Communications Magazine (IF: 10.435)

Chenxi Yang, Yang Chen, Qingyuan Gong, **Xinlei He**, Yu Xiao, Yuhuan Huang, Xiaoming Fu. *Understanding the Behavioral Differences Between American and German Users: A Data-Driven Study*. Big Data Mining and Analytics, 2018, 1(4):284-296.

Qingyuan Gong, Yang Chen, **Xinlei He**, Fei Li, Yu Xiao, Pan Hui, Xin Wang, Xiaoming Fu. *Identification of Influential Users in Emerging Online Social Networks Using Cross-Site Linking*. Proc. of the 13th CCF Chinese Conference on Computer Supported Cooperative Work (ChineseCSCW'18), Guilin, China, Aug. 2018. (Acceptance ratio: $38/150=25.33\%$)

Qingyuan Gong, **Xinlei He**, Qinge Xie, Shihan Lin, Guozhen She, Ruiyu Fang, Rui Han, Yang Chen, Yu Xiao, Xiaoming Fu, Xin Wang. *LBSLab: A User Data Collection System in Mobile Environments*. Proc. of the International Workshop on Mobile Human Contributions: Opportunities and Challenges (MHC'18), co-located with the 2018 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp'18), Singapore, Oct. 2018.

Jiaqi Wang, **Xinlei He**, Qingyuan Gong, Yang Chen, Tianyi Wang, Xin Wang. *Deep Learning-Based Malicious Account Detection in the Momo Social Network*. International Conference on Computer Communications and Networks (ICCCN'18). Poster Session.

SKILLS

Programming: Python, Java, C++, SQL, Matlab, Linux
Language: fluent in English

SELECTED AWARDS

- 1st Class Scholarship for Graduate Students, Fudan University, 2017.10
- Selected as Wang-Dao Scholar, Fudan University (top 1% students in department of Computer Science awarded) , 2015.10

EXTRA-CURRICULAR ACTIVITIES

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| • Member of football team in Fudan University | 2014-2015 |
| • Certificate for National Third Class football referee | 2015 |
| • Founder and first leader of Zhangjiang Football Association of FDU | 2015-2016 |
| • Member of handball team in Fudan University | 2017-2018 |
| • Certificate for HT Powerlifting Coach (Approved by NASM & ACE) | 2018 |