

Lichao Sun

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OBJECTIVE

Obtain internship as a data scientist, researcher or software engineer utilizing skills of Deep Learning and Data Mining.

My research interests are broad including social network, security & privacy and natural language processing.

EDUCATION

University of Illinois at Chicago, Chicago, IL, Expected May 2020

Ph.D. in Computer Science

Supervisor: Philip S. Yu (ACM & IEEE Fellow, Wexler Chair in Information Technology)

University of Nebraska – Lincoln, Lincoln, NE, Aug 2016

Master in Computer Science

Supervisor: Witawas Srisa-an

University of Nebraska – Lincoln, Lincoln, NE, Dec 2014

Bachelor in Computer Science and Mathematics

AWARDS

AAAI Travel Award 2019,

KDD Travel Award 2018,

High Scholar at UNL Spring 2015

SKILLS

Programming Language: Python, C/C++, SQL, Pig, Java, SQL, Matlab

WORK EXPERIENCE

Salesforce Research, Palo Alto, Deep Learning Research Intern Jan 2019 – Aug 2019

-Robust evaluation on BERT through natural keyboard typos.

-Privacy and security study on deep learning in multi-party situations

-Investigating some new deep learning techniques through data mixing

Supervisor: Caiming Xiong

LinkedIn Corporation, Sunnyvale, Data Mining Intern May 2018 – Aug 2018

-Investigating the influence spread and effect on million scale real feed networks

-Find the most influencers in the feed network for A/B test evaluation

Supervisor: Albert Chen

Microsoft Research, Beijing, Research Intern May 2017 – Aug 2017

-Influence maximization in both theory and application

-Build online question recommendation system through Bandit approaches

Supervisor: Wei Chen

University of Illinois at Chicago, Research/Teaching Assistant Aug 2016 – Present

-Deep Learning/Data Mining: Security, Social Networks, Natural Language Processing

Supervisor: Witawas Srisa-an and Qiben Yan

University of Nebraska – Lincoln, Research Assistant Aug 2014 – Aug 2016

-Malware Detection, Software Engineering, Data Mining

Supervisor: Witawas Srisa-an

SERVICE EXPERIENCE

IEEE Transactions on Industrial Informatics reviewer 2018, 2019

IEEE TRANSACTIONS ON MOBILE COMPUTING reviewer 2018

IEEE ACCESS reviewer 2018

RESEARCH PUBLICATION

[J1] **Lichao Sun***, Jin Li*, Qiben Yan, Zhiqiang Li, Witawas Srisa-an and Heng Ye. Significant Permission Identification for Machine Learning Based Android Malware Detection, *IEEE Transactions on Industrial Informatics* 2018. (**Accepted**)

[J2] KOLLECTOR: Detecting Fraudulent Activities in Mobile Apps Using Deep Learning, *IEEE Transactions on Mobile Computing* 2020 (**Accepted**)

[C1] **Lichao Sun**, Albert Chen, Philip S. Yu, Wei Chen, Influence Maximization with Spontaneous User Adoption. **WSDM** 2020 (**Accepted**)

[C2] Zhongyuan Jiang, **Lichao Sun**, Philip S. Yu, Hui Li, Jianfeng Ma, Yulong Shen Target Privacy Preserving for Social Networks. **ICDE** 2020 (**Accepted**)

[C3] Ji Wang, Weidong Bao, **Lichao Sun**, Xiaomin Zhu, Bokai Cao, and Philip S. Yu. Private Model Compression via Knowledge Distillation. **AAAI** 19 (**Accepted**)

[C4] **Lichao Sun**, Wei Chen, Zhipeng Huang and Philip S. Yu. Multi-round Influence Maximization. **KDD18** (**Accepted**)

[C5] **Lichao Sun**, Ji Wang, Philip S. Yu and Bo Li. Adversarial Attack and Defense on Graph Data: A Survey. (**Preprint**)

[C6] **Lichao Sun**, Lifang He, Zhipeng Huang, Bokai Cao, Congying Xia, Philip S. Yu. Joint Embedding of Meta-Path and Meta-Graph for Heterogeneous Information Networks. **ICBK** 18 (**Accepted**)

[C7] Ji Wang, Bokai Cao, Philip Yu, **Lichao Sun**, Weidong Bao, Xiaomin Zhu. Deep learning towards mobile applications. **ICDCS** 18 (**Accepted**)

[C8] **Lichao Sun**, Xiaokai Wei, Jiawei Zhang, Lifang He, Philip S. Yu and Witawas Srisa-an. PUDroid: Positive and Unlabeled Learning to Detect Zero-day Android Malware, **BigData** Dec 11-14, 2017. (**Accepted**)

[C9] **Lichao Sun**, Yuqi Wang, Bokai Cao, Philip S. Yu, Witawas Srisa-an and Alex D. Leow. Sequential Keystroke Behavioral Biometrics for Mobile User Identification via Multi-view Deep Learning, **ECML-PKDD** Sep 18–22, 2017. (**Accepted**)

[C10] Yuqi Wang, Jiannong Cao, Lifang He, Wengen Li, **Lichao Sun**, Philip S Yu, Coupled Sparse Matrix Factorization for Response Time Prediction in Logistics Services. **CIKM** Nov 6-10 2017. (**Accepted**)

[C11] **Lichao Sun**, Zhiqiang Li, Witawas Srisa-an, and Qiben Yan. SigPID: Significant Permission Identification for Android Malware Detection, **Malware**, Oct 18-21, 2016 (**Accepted**)

[C12] Zhiqiang Li, **Lichao Sun**, Qiben Yan, Witawas Srisa-An and Zhenxiang Chen. DroidClassifier: Efficient Adaptive Mining of Application-Layer Header for Classifying Android Malware, **SecureComm** Oct 10–12, 2016. (**Accepted**)