Dong Yuan

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Education

2015.09-2018.07	**Master in Computer Science**, *Tsinghua University, Beijing, China.* Advisor: Dr. Qi Li & Dr. Guoliang Li
2010.09-2014.07	**Bachelor in Software Engineering**, *Tongji University, Shanghai, China.*
2013.03-2013.08	**Exchange Student**, *Karlsruhe Institute of Technology, Karlsruhe, Germany.*

Work Interests

Scalable Machine Learning, Distributed Machine Learning System

Publications

NDSS 2019 (Submitted)	**Detecting Sybils in Social Networks at the Time of Registrations.** **Dong Yuan**, Yuanli Miao, Qi Li, Neil Gong, Dawn Song.
TIFS (Revision)	**PriRadar: A Privacy-Preserving Framework for Spatial Crowdsourcing.** **Dong Yuan**, Qi Li, Guoliang Li, Kui Ren.
CIKM 2017	**Sybil Defence in Crowdsourcing Platforms.** **Dong Yuan**, Guoliang Li, Qi Li, Yudian Zheng.

Internship

2018.03-2017.05	**Research Intern**, *Machine Learning Group, Microsoft Research Asia*, Beijing. Working on AutoML algorithms to generate neural network automatically. ○ Design and implement path based evolution algorithms to search neural networks.
2017.06-2017.08	**Intern**, *Wechat Group, Tencent*, Guangzhou, China. Leverage unsupervised learning methods to detect malicious Wechat registrations. ○ Measure the similarity between registrations with features and anomalies extracted from registration data, e.g., IP, phone number, nickname. ○ Model scenario as graph, devise and implement scalable distributed clustering algorithms to discover the campaigns in over 10 million registration. ○ Detected over 10 million malicious registrations with precision around 97%.

Project Experiences

2017.04-2017.05	**PostgreSQL: GiST API Advancement**, *Open Source Project*, C. ○ Implement and benchmark the overlap optimization of RR*-Tree to GiST, etc.
2016.05-2017.05	**Verifiable Multi-dimension Range Query on Encrypted Data**, leader. ○ Design grid based keywords extraction method to support multi-dimension range query in encrypted data on PB-Tree. ○ Design protocol to verify the correctness and integrity of the query results.
2016.05-2016.11	**Sybil Accounts Detection in ChinaCrowds**, C++. ○ Investigate and implement the EM based quality control method. ○ Design and implement algorithm to filter sybil accounts.

Awards and Scholarships

2017	**CIKM'17 Student Travel Grant**, *ACM*
2016, 2017	**Second-class (10%) and First-class (5%) Scholarships**, *Tsinghua University*
2011, 2012	**National Endeavor Fellowship (5%)**, *Tongji University*

Skills & Others

Programming	**C++, Python, Scala**, *Go, Tensorflow, Spark, Linux.*
English	**CET-6**, *fluent reading and communication.*
Others	Big Data & Cloud Security TA (2017), JAVA TA (2012).