

# 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

### AI as Service, AI Platform

Scalable Machine Learning, Distributed Machine Learning System

## Publications

- NDSS 2019 **Detecting Sybils in Social Networks at the Time of Registrations.**  
(Submitted) **Dong Yuan**, Yuanli Miao, Qi Li, Neil Gong, Dawn Song.
- ICDE 2019 **ServeDB: Secure, Verifiable, and Efficient Range Queries on Outsourced Database**  
Songrui Wu, Qi Li, Guoliang Li, **Dong Yuan**, Xingliang Yuan, Cong Wang
- CIKM 2017 **Sybil Defence in Crowdsourcing Platforms.**  
**Dong Yuan**, Guoliang Li, Qi Li, Yudian Zheng.

## Internships

- 2018.03-2017.05 **Research Intern**, *Machine Learning Group, Microsoft Research Asia, Beijing.*  
Work 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.
- 2016.05-2016.11 **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).