

Xiao Yi

83 Glenville Ave
Allston, MA 02134
617-800-3986
yixiao28@bu.edu

EDUCATION

M.S. Computer Science w. Specialization in Data-Centric Computing, Boston University, Boston MA, January 2019.

B.E. Software Engineering, Xi'an Jiaotong University, Xi'an China, June 2017.

PUBLICATION

Z. Jia, C. Shen, X. Yi, Y. Chen, T. Yu and X. Guan, Big-Data Analysis of Multi-Source Logs for Anomaly Detection on Network-based System, CASE 2017, Xi'an China, August 2017.

C. Shen, Y. Li, T. Yu, S. Yuan, X. Yi and X. Guan, Motion-Sensor Behavior Analysis for Continuous Authentication on Smartphones, WCICA 2016, Guilin China, June 2016.

RESEARCH

Research Assistant, Harvard John A. Paulson School of Engineering and Applied Sciences, Cambridge MA June 2018 - Present
Advisor: Prof. Boris Kozinsky

- **Fooga (Functional Object-Oriented Graph Automation) Platform**

- ❖ Data science automated infrastructure and analysis of large computed data;
- ❖ Applying Neo4j Graph Database;
- ❖ Using block-chain technique for data verification.

Research Assistant, Harvard John F. Kennedy School of Government, Cambridge MA
October 2017 - Present
Advisor: Nadiya Kostyuk

- **World Conflict Bias in Internet Services**

- ❖ Analyzing the relationship between world conflict events and internet services development distribution from 2006 to 2017.

Research Assistant, XJTU MOE Key Lab for Intelligent Networks and Network Security, Xi'an China January 2015 - January 2017
Advisor: Prof. Chao Shen, Prof. Tao Qin and Prof. Xiaohong Guan

- **DNS Software Passive Fingerprint Identification**

- ❖ Analyzed BIND, Unbound and Windows Server's DNS resolution behavior;
- ❖ Applied machine learning algorithms to identify these softwares.

- **Big-Data Analysis of Multi-Source Logs for Anomaly Detection on Network-based System**

- ❖ Applied Hadoop and Spark for log-data storage and ElasticSearch for fast log-data query;
- ❖ Applied machine learning algorithms to detect abnormality threats based on Linux system logs.

- **Motion-Sensor Behavior Analysis for Continuous Authentication on Smartphones**

- ❖ Analyzed smartphone users' authentication data based on smartphone's sensors;
- ❖ Applied machine learning algorithms to improve identification rate to 88.95%.

PROJECT

Team Leader and Server-end Developer, Link Studio, Xi'an China November 2017

- Present

- ❖ Led team to develop XJTU-Link, a digital campus information system on both Android and iOS, which fulfill almost all the daily requirements in campus;
- ❖ Designed, developed and maintained the database and server-end;
- ❖ Adopted by XJTU Information and Data Center, with 10000+ users and 2000+ daily hits.

Software Engineer Intern, Hwadee Information Technology Co., Ltd, Sichuan China

February 2016 - March 2016

- ❖ Developed Tongxiaogou Second-hand Trading Platform.

SKILL

Python, Java, C/C++, Matlab; MySQL, Neo4j, Hadoop, Spark; Machine Learning.