

Dixing XU

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EDUCATION

2020 **Xi'an Jiaotong-Liverpool University & University of Liverpool** Suzhou, China
BSc (Hons) Information and Computing Sciences (2:1)

WORK EXPERIENCE

Academia

Hong Kong Baptist University Hong Kong SAR
Research Assistant 2020.10-PRESENT

- Worked with Prof. Xiaowen Chu on distributed machine learning systems and blockchain systems.

Zhejiang University Hangzhou, China
Visiting Student Researcher 2019.09-2020.03

- Worked with Prof. Peng Cheng on machine learning and security.

Nanyang Technological University Singapore
Research Assistant 2019.03-2019.08

- Worked with Prof. Rui Tan on collaborative learning, Internet of Things (IoT) and Privacy.

Xi'an Jiaotong-Liverpool University Suzhou, China
Research Assistant 2016.11-2018.08

- Worked with Dr. Jinjun Liang on Portfolio Management. [\[Media\(CN\)\]](#)

Summer Undergraduate Research Fellow 2017.06-2017.08

- Worked with Prof. Steven Guan on Style Transfer Learning with Generative Adversarial Networks.

National University of Singapore Singapore
Summer Internship 2016.06-2016.08

- Worked with Prof. Hon Wei Leong on course Computational Thinking and Community Detection in Large Graphs.

Industry

The Linux Foundation Remote
Software Development Engineer (Blockchain) Internship 2020.06-2020.12

- Part-time intern for Hyperledger Cello. [\[Project\]](#)

Software Development Engineer (Blockchain) Internship 2018.06-2018.11

- Part-time intern for Hyperledger Fabric Python SDK. [\[Project\]](#)

- Worked with Dr. Baohua Yang. [\[Media\(EN\)\]](#) [\[Media\(CN\)\]](#)

Hyperledger Remote
Mentor 2021.03-2021.11

- Mentor for *Support Decentralized Governance for Smart Contracts in Fabric Python SDK* [\[Project\]](#)

Mentor 2020.03-2020.11

- Mentor for *Add interactive examples to Fabric Python SDK* [\[Project\]](#)

Software Maintainer

2018.09-PRESENT

- Maintainer of Hyperledger Fabric Python SDK. [\[Project\]](#)

Research Institute of Beihang University

Suzhou, China

Software Development Engineer Internship

2018.11-2019.06

- Develop an application based on Hyperledger Fabric.
- Develop a course about blockchain for undergraduates.

HONORS & AWARDS

2019.12 **Hyperledger Diversity Scholarship**

2018.09 **CNCF Diversity Scholarship**

2018.09 **Special Prize (US\$10,000) by QTUM, Wanxiang Blockchain Hackathon** [\[Source Code\]](#)

- Awarded to only 1 of more than 20 groups all over the world.
- Implemented atomic swaps between BTC/ERC20/any contract call and QTUM.

2018.07 **1st Prize, 2018 EOS Hackathon Hangzhou (Team)** [\[Source Code\]](#)

2018.07 **3rd Prize, 2018 EOS Hackathon Hangzhou (Personal)**

2018.07 **3rd Prize, DoraHacks x BCH Faith Hack**

2018.06 **2nd Prize, 2018 XJTLU & PNP AI Innovation Hackathon**

2018.04 **2017 IBM Student Innovation Lab Program Award**

2017.11 **1st Prize, Hack x FDU 2017 Hackathon** [\[Source Code\]](#)

- Awarded to the top 1 of more than 70 groups from colleges nationwide. [\[Media\(CN\)\]](#)
- Built a decentralized P2P leasing system using blockchain.

PUBLICATIONS

2019 Mengyao Zheng, **Dixing Xu**, Linshan Jiang, Chaojie Gu, Rui Tan, and Peng Cheng. Challenges of privacy-preserving machine learning in iot. In *Proceedings of the First International Workshop on Challenges in Artificial Intelligence and Machine Learning for Internet of Things*, pages 1–7. ACM, 2019

2020 **Dixing Xu**, Mengyao Zheng, Linshan Jiang, Chaojie Gu, Rui Tan, and Peng Cheng. Lightweight and unobtrusive data obfuscation at iot edge for remote inference. *IEEE Internet of Things Journal*, 2020

MANUSCRIPTS

2017 Zhengyao Jiang, **Dixing Xu**, and Jinjun Liang. A deep reinforcement learning framework for the financial portfolio management problem. *arXiv preprint arXiv:1706.10059*, 2017

SERVICES

Student Member, IEEE Computer Society (IEEE)

Reviewer:

- IEEE Internet of Things Journal