

Dixing XU

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(Last update: February 26, 2024)

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
Research Assistant *2020.10-2021.11*
– 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

HexTrust Hong Kong
Software Development Engineer *2022.04-PRESENT*
– HexAdmin Backend Development (Golang)
– HTM(Markets) Backend Development (Rust)

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

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

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

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