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   2020.10-2021.11
  – 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

Hex Trust   Hong Kong
Research Assistant   2022.04-PRESENT
  – Hex Trust 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

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