QISHUANG FU

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EDUCATION

Sun Yat-sen University, Guangzhou, China   09/2021-06/2024 (Expected)

Master's Degree in Software Engineering   GPA: 4.0/5.0   Rank: 1/9

Dalian University of Technology, Dalian, China   09/2017-06/2021

Bachelor's Degree in Automation   GPA: 3.75/5.0   Rank: 4/31

PUBLICATIONS

[1] **Qishuang Fu**, Dan Lin, Jiajing Wu, and Zibin Zheng, "*A General Framework for Account Risk Rating on Ethereum: Toward Safer Blockchain Technology*". *IEEE Transactions on Computational Social Systems (TCSS)*. Accepted.

[2] **Qishuang Fu**, Dan Lin, Yiyue Cao, Jiajing Wu, "*Does Money Laundering on Ethereum Have Traditional Traits?*". *IEEE International Symposium on Circuits and Systems (ISCAS)*. Accepted.

RESEARCH EXPERIENCE

Account Risk Rating Framework on Ethereum [1]   01/2021-08/2022

- Developed a general framework for assessing account risk on Ethereum, which integrates a metric for measuring suspiciousness that can be adapted to detect various illicit activities on platform.
- Conducted a detailed analysis and visualization of metrics related to normal and abnormal accounts, along with a chain of suspicious transactions.

Analysis of Traits of Money Laundering Accounts On Ethereum [2]   08/2022-11/2022

- Conducted an in-depth analysis of money laundering activities on Ethereum, utilizing a representative security event from Upbit Exchange as a case study.
- Summarized key traits of money laundering accounts on Ethereum to establish a foundation for effective detection.

Cross-chain Transaction Pairs Trace   03/2023-Present

- Utilize a machine learning method to detect deposit transactions on the source chain.
- Transmit deposit transaction information from the source chain to collaborators to assist in identifying withdrawal transaction pairs on the target chain.

EXTRACURRICULAR EXPERIENCE

CCF & ATEC the First Blockchain Security Technology and Application Competition

XTracer: A tool to track transactions on blockchain   09/2022-02/2023

- Designed and developed five competitive functions for XTracer by analyzing other blockchain tracking products;
- Tested XTracer and provided feedback on improvement suggestions to developers to ensure data accuracy and reliability of large-scale datasets.
- Presented findings of XTracer's capabilities in a clear and concise manner to contribute to the wider research community in the field of blockchain security

Volunteer Experience

- Deputy Captain of Automation Team - Outstanding Leader in the Department   09/2019-06/2021
- Community Service Assistant in Dalian - Outstanding Volunteer in School   03/2017-01/2019
- Volunteer Teacher in Qinghai province - Dalian Advanced Volunteer Team   07/2018-08/2018

HONORS & AWARDS

- Second Prize in CCF & ATEC the First Blockchain Security Technology and Application Competition (Top 5%)   2023
- Outstanding Undergraduate, Liaoning Province (Top 1%)   2021
- Excellent Undergraduate Thesis, Dalian University of Technology (Top 2%)   2021
- Second Prize in Zhangda Cup Market Research and Analysis Competition   2020
- First Class Scholarship, Sun Yat-sen University (Top 20%)   2021-2023
- NOK First Class Scholarship (Top 10%)   2020
- Study Scholarship, Dalian University of Technology (Top 15%)   2020
- National Postgraduate Scholarship (Top 1%)   2019

SKILLS

- Programming: Python, LaTex, Git