Shengchen Ling

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EDUCATION

City University of Hong Kong 2024.09 - present
Ph.D. Computer Science, *Department of Computer Science*
Under supervision of Prof. Cong Wang

City University of Hong Kong 2022.08 - 2023.06
M.S. Electronic Commerce, *Department of Computer Science*
GPA 3.65, with Distinction

Northeastern University 2018.09 - 2022.06
B.E. Computer Science and Technology, *School of Computer and Communication Engineering*
GPA 3.04 (average score 80.4), with school-level scholarships

RESEARCH EXPERIENCE

City University of Hong Kong, Department of Computer Science 2023.09 - 2024.08
Research Assistant, under supervision of Prof. Cong Wang and Dr. Chengjun Cai.
Research in LLM-assisted blockchain benchmark and testbed.

Zhejiang University, BlockSec 2024.05 - 2024.08
Research Assistant, under supervision of Prof. Yajin Zhou and Prof. Lei Wu.
Research in DeFi protocols, especially in Stablecoin.

Shanghai Tree-Graph Blockchain Research Institute (Conflux Network) 2021.09 - 2022.07
Research & Operation Intern, under supervision of Prof. Fan Long, Dr. Peilun Li, Dr. Chenxing Li, Mr. Yuanjie Zhang, Mr. Fang Qi, and Mr. Zhenghao Wang.
Research in Conflux Hydra hard fork and technical support to developer community.

- Organized 24 rounds of tests (alpha/beta/rc) for the hard fork binaries and gave feedbacks. The hard fork is mainly for 1) introducing finality via voting on a parallel PoS chain to protect against potential 51% attacks from PoW and 2) introducing a fully EVM compatible space inside the current blockchain.
- Assisted in providing technical support to developer community, especially in technical documentations, tutorials, and translations. Assisted in reviewing and incubating ecosystem projects on Conflux.

Shanghai Jiao Tong University, Institute of Engineering Management 2021.06 - 2021.08
Research Intern, under supervision of Prof. Hao Hu, Prof. Feng Xu, and Mr. Wen Wang.
Research in Project *"The Whole-Process Supply-Chain Quality Management of Engineering Materials Based on Information Flow"* via HyperLedger Fabric and IPFS.

PROJECT EXPERIENCE

A Secure Data Sharing Platform Based on Blockchain+IPFS+SM2 Algorithm 2020.09 - 2021.05
National Innovation Project (No. 202119145011X), under supervision of Prof. Wenbo Shi, Prof. Ning Lu, Dr. Maohua Jing, and Mr. Qilong Yu.
Research in a secure backup solution via IPFS, SM2 encryption algorithm, and Ethereum. Individually mainly focus on topic selection, node establishment, and cryptography research.

POPULAR SCIENCE PUBLICATION

A Book to Understand Web3.0 (ISBN: 9787121432354) 2021.12 -2022.03
Author on Chapter 3 "*The core technology of Web3.0 – Blockchain*" and Chapter 4.1 "*NFT standards*".