

Si Yuan Jin (金思远)

Personal Information:

Gender: Male **Date of Birth:** 02.03.1999 **Email:** siyuan.jin@connect.ust.hk

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Education Background

Mphil-PhD of Information Systems, Hong Kong University of Science and Technology Aug 2022 ~ Now

Supervisor: Prof. Kar Yan Tam, Prof. Bei Zeng, Prof. Qiming Shao

Bachelor of Fintech, South China University of Technology ("Project 985") Sep 2017 ~ Jul 2021

- **GPA:** 88.87/100 (Rank: 1/33)
- **Award:** 2019-2020 China National Scholarship (Top 0.1~0.2%)

Research Interests

- **Quantum Computing:** Quantum Finance
- **Distributed Ledger Technology(DLT):** Central Bank Digital Currency, Consensus Mechanism

Experience

Quantum Computing & CBDC Research at HSBC Lab of HSBC Ventures, Innovation Jul 2020 ~ Aug 2022

& Partnerships

- **2021 HSBC Top Performer | 2021 HSBC Role Model**
- Distributed Ledger Technology | Quantum Computing
- Central Bank Digital Currency (E-CNY | E-HKD) | Stablecoin | ESG | Quantum Portfolio Optimization
- Prototype Development | Algorithm Design | Business Case Building

Research Papers (1 Submitted, 2 Accepted)

Submitted - Value at Risk Estimation on Cryptocurrencies Jan 2022 ~ Jul 2022

IEEE Conference (Accepted) A UTXO-based Sharding Method on Stablecoin (**First Author**) Jul 2020 ~ Mar 2022

IEEE Journal CEV Framework: A Central Bank Digital Currency Evaluation and Verification Framework with Focus of Consensus Algorithms and Operating Architectures (**First Author**) Jul 2021 ~ Jul 2022

Patents

A Modular Method to consensus algorithms in Central Bank Digital Currency Systems Jul 2021 ~ Mar 2022

A Stablecoin Privacy Protection Method Based on Dynamic Virtual Address Jul 2021 ~ May 2022

Blockchain Transaction Sharding for Improved Transaction Throughput Jul 2021 ~ July 2022

Awards

2021.11 Monetary Authority of Singapore - Global CBDC Challenge Finalist (Top 5% in over 300+ submissions from 50+ countries)

2021.06 University-level excellent graduation thesis (Top 1%)

2020.12 Obtained the China National Scholarship (Top 0.1%~0.2%)

2019 & 2018 Obtained the First prize of South China University of Technology Twice (Top 1%)