

Jiawei Wang (Angold)

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Education

Hong Kong Baptist University 2023/09 – 2025/09 (expected)
Master of Philosophy in Computer Science Kowloon Tong, Hong Kong

- Exploring blockchain layer 2 scaling solutions by investigating how verifiable computing can offload computational tasks from the main chain (layer 1) and work to optimize ZK-SNARKs for improved efficiency and scalability.

Hong Kong Metropolitan University 2019/09 – 2023/06
Bachelor of Computing in Internet Technology Ho Man Tin, Hong Kong

- GPA 3.53/4.0, with First Class Honours.
- A / A- Courses: Operating Systems, Computer Architecture, Computer Networks, and 6 others.

Work Experience

Posley Since 2025/02
Defi Quantitative Developer Admiralty, Hong Kong

- I am building dynamic order execution systems with real-time dashboards for decentralized exchanges, focusing on delta-neutral strategies. Our flagship product, **Vectis**, manages over \$30M in assets and delivers APYs exceeding 50%.

CASH Financial Services Group 2023/02 – 2023/11
Project-based Research Analyst at Asset Management Group Kowloon Bay, Hong Kong

- **Cash Radar** (CR) is a financial data analyzing platform for internal use at CFSG and win Gold award 2022/23 by IFTA.
- Authored and implemented the **radarbase** back-end system of CR for robust real-time analysis of voluminous historical financial datasets, providing deep insights into Industry, Sector, and Stock trends in both Chinese and American markets.

Tencent 2022/07 – 2022/09
Software Engineer Intern at CSIG and Tendis Shenzhen, Guangdong, China

- Implemented a new journaling system supporting parallel logging for **Tendis**, inspired by the Linux ext3fs filesystem, resulting in a 10% improvement in system response time within two months.

Research Experience

Research Assistant at HKBU, advised by Prof. Jianliang Xu Kowloon Tong, Hong Kong
A Survey of Interactive Verifiable Computing (ePrint ia.cr/2025/008) 2024/09 – 2025/01

- Explored **interactive proof systems** (IPS), knowledge complexity, and low-degree polynomial techniques.
- Provided a step-by-step introduction to the **Sum-Check** and **GKR protocols** tracing verifiable computing from NP-based proofs to modern **ZK-SNARKs**, offering an accessible blueprint for contemporary verifiable computing models.

Benchmarking Blockchain Layer 2 Solutions github.com/weids-dev/benchains Since 2023/09

- Developed a practical framework for assessing the scalability of Layer 2 blockchain approaches in a controlled env.
- Implemented various Layer 2 scaling solutions with simplified designs—including **ZK-Rollups** and **Plasma** on our Hyperledger Fabric network using chaincode and gateway applications.

Research Assistant at HKMU, advised by Prof. Joseph Fung Ho Man Tin, Hong Kong
A Study of the Risk and Return of HKEX's Derivatives Warrants 2023/01 – 2023/08

- **Developed optimized system code** to analyze approximately 1TB of historical derivatives warrants transactions in the Hong Kong market over several years, with data timestamps accurate to microseconds.

Skills

Programming Languages: C++(5 years), Golang, Python, Node.js and Rust.

Tech Skills: Zero-Knowledge Proofs (SNARKs, Interactive Proofs), Blockchain Layer 2 Solutions (Building and Employing), Data Processing (Analysis of Large Datasets), System Programming (Storage Systems, Compilers).

English: Advanced | **Cantonese:** Professional working proficiency | **Mandarin:** Native proficiency.

Last Updated in Feb, 2025