

Kai Xiu Huang

kxhuang.dev | work@kxhuang.dev

WORK EXPERIENCE

K-WAY Information Corp

Taipei, Taiwan

Research & Development Engineer

Sep. 2025 – Present

- **Developed** microsecond-level, low-latency trading modules for a major Taiwanese securities brokerage.
- **Implemented** real-time risk controls across high-frequency order and trade workflows.
- **Designed** cross-host messaging, failover, and recovery mechanisms for mission-critical trading systems.
- **Independently developed** a high-performance message exchange server connecting a modern trading platform with a legacy AS/400 system.
- **Built** bidirectional synchronization handling **1M+ transaction-related messages per day** with microsecond-level processing latency.

SuiAudit

Remote

Smart Contract Security Researcher

Dec. 2025 – Present

- **Trained and fine-tuned** a specialized auditing LLM designed to automatically detect, flag, and analyze vulnerabilities within Move smart contracts.
- **Curated and structured** a high-quality security dataset consisting of over 500 self-labeled vulnerability cases, isolating complex smart contract logic errors to optimize model accuracy.

EDUCATION

National Tsing Hua University (NTHU)

Hsinchu, Taiwan

Bachelor of Power and Mechanical Engineering

Sep. 2020 – Jun. 2024

Final Project: 3D Visualized Digital Twin & Remote Monitoring System

- **Architected and developed** an end-to-end digital twin system using Azure and Unity to achieve real-time 3D simulation of industrial machinery.
- **Implemented an asynchronous multi-threaded architecture** to offload API communication from the main Unity rendering thread, ensuring a seamless low-latency visualization.

Kenya International Volunteer Team

Team Leader

- **Led** cross-cultural team operations and curriculum deployment between Taiwanese and Kenyan partners in resource-limited settings.
- **Managed** communication to bridge cultural gaps and ensure stakeholder alignment.
- Adapted workflows to local conditions, optimizing efficiency and project impact.

SKILLS & INTERESTS

Languages: Fluent in Mandarin and English; Intermediate in German

Technical Skills: C++, Go, Python, Sui Move, Solidity, SQL, Linux/Unix

Specializations: High-Performance Low-Latency Architecture, Distributed Systems, Multi-Threading, Smart Contract, LLM Fine-Tuning

Interests: Blockchain, DeFi, Quantitative Trading Systems