https://github.com/jinhongkuan

Jin Hong Kuan

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Languages: Rust Python Solidity Typescript Golang

Education

B.S. Computer Science (Honors), Math Minor May 2022
University of Minnesota, Twin Cities

- **GPA:** 3.88/4.00
- **Activities:** UMN Blockchain Club (Founder and President)
- **Awards:** Dean's List, LionHack 2022 Finalist

Experience

Founder Nov 2024 – Present
Bicameral, Remote

- Provide strategic technical consulting and hands-on engineering leadership to early-stage startups.
- Deliver end-to-end product development from technical design through deployment, reducing reworks and overall time-to-market for complex features.

Senior Software Engineer Feb 2024 – Nov 2024
Azura, Remote

- Technical Lead. Spearheaded the development of a high-performance data pipeline for real-time PnL and ROI analytics on the crypto pro-trading platform.

Senior Software Engineer Nov 2024 – Feb 2024
Yuzu Health, NY

- Designed and implemented a scheduled claims settlement system to reduce operational overhead and improve cash flow visibility.
- Led the refactoring of email and invoicing modules to conform to SOLID principles, allowing for easy extensibility to accommodate varied customer feature requests.

CTO Oct 2022 – Oct 2024
Circuit, NY

- Led a 4-person engineering team in developing a transaction orchestration and risk response platform for institutional traders and funds, built with Golang, AWS, Dapr.
- Established custom integration with 5 enterprise wallet custodians in accordance with zero-trust architecture, allowing for recovery of client crypto funds without custodying private keys.

Software Engineer July 2022 – Oct 2022
Jump Trading, NY

- Developed a novel derivative protocol on Solana that provides a secondary market for liquidity providers to securitize and sell claims to future market-making fees.
- Collaborated with DeFi researchers to establish risk-neutral pricing of offered derivatives.

Publication

Liquidity Provision Payoff on Automated Market Makers
Jin Hong Kuan
arXiv preprint, 2022 [paper]

Source Separation and Depth-wise Separable Convolutions for Computer Audition
Gabriel Mersy, Jin Hong Kuan
AAAI Conference on Artificial Intelligence, 2021 Student Abstract and Poster Program [paper]

Emergence and Stability of Self-Evolved Cooperative Strategies using Stochastic Machine
Jin Hong Kuan, Aadesh Salecha
IEEE Symposium Series on Computational Intelligence, 2020 [paper | github | slides]