Elwin **Chua**

Smart Contract Developer

Address Taoyuan City, Taiwan

Phone +886952-204-050

E-mail jingkangchua@gmail.com

Reliable employee seeking smart contract (EVM) developer position. As a 8+ years experienced programmer strongly persuaded by the transparent, immutable & permissionless blockchain tech. True believer for blockchain will change the world wildly.

Fields and Stacks

- Smart Contract Developer, DeFi, GameFi (Solidity, Hardhat, geth, Slither)
- Quants Trading Platform (C#, Python, MSSql, MongoDB)
- Back-end Developer (C#, Oracle, Redis, git, CICD)
- Academic Researcher (Matlab)

Github

Github
- https://github.com/jingkang0822

Staking Smart contract
- https://github.com/jingkang0822/Dapp-Stake-Farming

Demo frontend
- https://jingkang0822.github.io/Dapp-Stake-Farming/

Work History

2022-07 - Current

Smart Contract Developer

GameFi (HappyTomato)

- Experienced in building private Ethereum blockchain using the geth client in a development environment.
- Skilled in conducting smart contract audits using tools such as Slither, hardhat gas-reporter, and the Openzeppelin Ethernaut index, as well as the Consensys security index.
- Disccussing and addressing potential loopholes in the business layer.
- Experienced in designing unit-test scenarios using hardhat.
- Skilled in implementing various smart contracts, including ERC20, ERC721A, token sales, NFT sales, staking rewards and a vesting contract.

2021-12 - 2022-06   ## Smart Contract Developer

Defi Protocol (Teahouse)

- Experienced in crafting and testing smart contracts on local nodes and testnets for security
- Proficient in optimizing smart contract functions and state for lower gas consumption
- Developing staking, token, and NFT smart contracts
- Collaborated with team members to implement a strategy simulation platform for Uniswap v3

2019-10 - 2021-12   ## Backend Engineer

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- Communicate with the user and developer, fulfillment the user's change request.
- Monitor and analysis the risk of the code, review & refactoring the architecture of original code.
- Tools: C# / Agile development / scrum / git flow / CICD

2017-09 - 2019-09   ## Quant Developer

APEX International Financial Engineering Co

- Research & developing derivatives market trading models.
- Designing and developing strategy's parameter optimization algorithm routinely generate robust back-test result.
- Research on risk depends open interest and risk parity portfolio.
- Tools: c#, git, sql-server

2016-09 - 2017-05   ## Quant Researcher

VICI Holdings

- Researching various market data, clustering analysis, features analysis, statistical correlation, data mining alphas inside data.
- Maintaining database, design data table, keep updated data in real-time, create primary key to proficiency select data from database (sql and No-sql).
- Implementing machine learning algorithm, trimming data insufficiency and improve proficiency in algorithm.
- Tools: c#, python, mongoDB, sklearn, keras etc.

Education

2014-09 - 2016-03   ## PhD: Institue of Oceanography

National Taiwan University - (noncompletion)

2012-09 - 2014-06   ## Master of Science: Geoscience

National Taiwan University

2008-09 - 2012-06   **Bachelor of Science: Geoscience**

National Taiwan University

Languages

Mandarin (native), English (conversational)

Nationality

Malaysian, Permanent Resident of Taiwan