Mengqi (Menki) Chen

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Biography

As a junior solidity engineer, I am passionate about blockchain technology and its potential to transform industries. With a strong foundation in smart contract development and blockchain concepts, I am excited to apply my skills to create secure and efficient decentralized applications. I am a quick learner and thrive in fast-paced environments, where I can collaboratively solve complex problems and innovate new solutions. I am seeking a challenging role where I can further develop my skills and contribute to the advancement of the blockchain ecosystem.

Skills

Solidity: Proficient in Solidity language and completed quite a few widely used smart contrasts demo.

ERC Standards: Understand ERC standards (ERC-20, ERC-721, ERC-1155, ERC-4626), and be able to write smart contracts that conform to these standards.

Hardhat: Familiar with Hardhat frameworks, able to use them for smart contract development, testing, and deployment.

Ethers.js: Familiar with Ethers.js libraries, able to interact with the Ethereum network.

BlockChain: Knowledge of popular blockchain applications, such as Uniswap, AAVE, Yearn and Compound in Defi.

Other Skills: Proficient in using Linux common commands, Docker container management, Git code collaboration development.

Selected Projects

Solidity Demo   *May 2023 - Jul 2023*

Solidity

- Provides a collection of Solidity Applications. I implement these demos from scratch. Some demos contain unit testing by hardhat.

BlindAuction   *May 2023 - Jul 2023*

Solidity

- A contract showcases a blind auction implemented using Solidity, which allows for secure and confidential bidding without revealing the bid amounts to other participants until the end of the auction.

Tokenized Vault   *May 2023 - Jul 2023*

Solidity

- A pure-ERC2426 implementation for tokenized vault, code reference to ERC4626 contract in openzeppelin and solmate.

Work Experience

Tencent Inc.   *Shenzhen, Guangdong, China*

Machine Learning Engineer (Intern)   *Jun 2021 - Oct 2021*

- Designed and implemented deep learning model to improve the performance of short video recommendation.
- Responsible for characterizing users' interest in videos published by different creators based on behavioral data, and discovering creators that they are interested in.
- Responsible for completing group portraits, cold starts, building heterogeneous graphs of videos and providing implicit vectors of users and videos using graph embedding algorithms.
- Collaborated with Tencent PCG teams to ensure seamless integration of the deep learning models, resulting in increased user engagement.

Education

Shenzhen University   *Shenzhen, Guangdong, China*

Ph.D. in Parallel Information Processing   *Sept 2017 - Dec 2023 (Expected)*

University of Toronto   *Toronto, Canada*

Summer school student   *Sept 2021 - Dec 2021*

Shenzhen University   *Shenzhen, Guangdong, China*

MS in Software Engineer   *Sept 2015 - July 2017*

- Graduated with Distinction