

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 contracts 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