Frankie Leyva III

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Creative full-stack developer specializing in blockchain related programs
driving innovation through experimentalism & persistence.

EDUCATION

CSU Monterey Bay | Seaside, CA Graduated 2022
Bachelor of Science in Biology | Molecular concentration

SKILLS & TECHNICAL TOOLS

Languages: Mongodb, Express, Node, JavaScript React, HTML/CSS, Solidity, Bash, R, Python

Technologies: Github, Truffle, Ganache, web3.js, Alchemy, Jupyter Notebook, Matplotlib, Pandas, AWS Lambda

PROJECTS

Creation and Deployment of Gas Efficient ERC-721 Contracts - *https://edensflowers.netlify.app*

- Created many ERC-721 contracts with unique innovative features: Dynamic, On-Chain, Self-replicating, Burn redemptions. Coded ERC721A contracts for gas efficient bulk minting, ERC-20 token minting contracts, and tailored ERC-721 contracts to suit clients' needs.

On-chain NFT Game - *http://www.shipwars.net*

- Constructed a real time multiplayer battle game utilizing NFTs and game actions which take place entirely on chain. Players have the ability to customize their NFT stats at mint and then use those stats to battle each other with destroyed NFTs getting burned and winners gaining rewards.

Twitter automation - *https://twitter.com/OceanOfTheDay*

- Used python to automate Twitter posting of the proportion of Ethereum's market-cap to Bitcoin's using Coinmarketcap's API, as well as to post uniquely generated ASCII art and retweet aesthetic imagery.

Project Landing pages - *https://galaxyfighterkongz.netlify.app*

- Developed landing pages to present projects' missions, teams, and online presences in the best manner possible while meeting client's desires for aesthetics and presentation of values.

Staking Dapp

- Constructed a staking token and Dapp allowing for staking of an ERC-20 token to a contract on which another Dapp ERC-20 token could then be issued out to stakers in proportions related to the size of their stake. Added a JavaScript test to monitor sustained functionality throughout contract development.

RELEVANT COURSE WORK

CSUMB | Practical Computing for Scientists: Covered basics and entry level knowledge of the coding languages Linux, and Python particularly when applied to data science. Gained the skills necessary to manipulate large sets of scientific data and produce figures to present this information in an effective way.

Harvard | Introduction to Computer Science: Built familiarity with broad concepts including algorithms, data structures, resource management, and encapsulation. Engaged with programming problems utilizing algorithmic solutions that prioritized efficiency. Supported a well rounded background that provided a framework for any computational challenge.

OpenZepplin | Ethernaut: Completed all levels and reviewed concepts in the OpenZepplin Ethernaut challenges which cover multiple angles of security and vulnerabilities that arise when writing and deploying smart contracts to the blockchain.