Oscar O'Neill

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SKILLS

Languages: HTML, CSS, JavaScript, Python, Solidity
Tools & Frameworks: React.js, TypeScript, Node.js, Express.js, Git, Docker, Gulp
Databases: MongoDB, PostgreSQL

Portfolio Link: oscaroneill.tech

SELECT PROJECTS

Switch (switchswapcrypto.netlify.app)
- Developed a web application that identifies the best decentralized exchange for executing a token swap
- Aggregated data from multiple protocols to find the top two optimal swap options
- Created with React.js and TypeScript, utilized Web3.js to assist in retrieving swap data from protocols

Splashgram (splashgram.xyz)
- Developed a photo viewing web application with React.js that allows users to view photos from Unsplash
- Created a RESTful API that makes calls to Unsplash to fetch data that is then displayed to the front-end
- Implemented Unsplash's OAuth2 user authentication workflow to personalize the experience for all users

Minimalist NFT (minimalist-nft.vercel.app)
- Created and deployed a smart contract that allows users to mint an NFT on the Ethereum blockchain
- Used Solidity to develop the smart contract, and Ethers.js to interact with the blockchain
- Used React.js to allow users to interact with the smart contract, and to display a minted NFT's data

NYC Property Search (nycbuildings.vercel.app)
- Developed a web application where a user can find out if a specific address in New York City has any complaints
- Used Node.js to retrieve data from NYC Open Data along with React.js to display the data to the front-end

Change The Game (change-the-game.netlify.app)
- Developed a quiz application using React and Typescript, focused on a historic hip-hop record label
- Employed React hooks to manage state and ensure that the application renders efficiently
- Implemented re-usable components to improve code efficiency and reduce redundancy.

EXPERIENCE

Mintbean Hackathon
August 2021
- Placed in the top 5% of developers and received Mintbean Star Award for exemplary achievement
- Developed a 2D game web application with a clear winning and losing condition

F. DiFranco Painting Contractors, Inc – Bellmore, NY
Painter, January 2019 – September 2022
- Responsible for the apartment turnover of any recently vacated rental units

EDUCATION

Arizona State University - Tempe, AZ – Interdisciplinary Studies