Giampiero Giovingo

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EDUCATION

University of Central Florida Orlando, Fl
Bachelor of Science in Computer Science, Minor in Mathematics

TECHNICAL SKILLS

Languages: Java, Python, JavaScript C, Solidity, HTML, and CSS
Frameworks and Libraries: React, Bootstrap, Tailwind CSS, Ethers, OpenZeppelin, and Material-UI
Developer Tools: VS Code, Git, Node.js, Vite.js, Hardhat, Confluence and Jira, Google Colab, and ChatGPT-3.5

PROJECTS

Weather App | *React, Vite.js* February 2023
- Created a weather application using React, Vite, and Material-UI, improved app performance thanks to Vite's fast build and compilation times
- Successfully integrated the OpenWeather API to retrieve and display accurate weather data alongside other useful current weather information by handling the JSON received from the OpenWeather API for user-specified cities
- Implemented responsive design with Material-UI, ensuring a seamless user experience on all devices

JustCubes NFT Fetcher | *React, Node.js* September 2022
- Built a cutting-edge app for JustCubes that utilizes React to fetch and display JustCubes NFTs from multiple marketplaces, complete with metadata and price information
- Saves the user whole seconds by having instant access to listings from multiple marketplaces in one place by switching states
- Leveraged APIs from the marketplaces LooksRare and X2Y2 to filter the displayed listings and provide users with a seamless browsing experience
- Application is able to fetch any NFT collection with just swapping the contract address

Wave at Me | *React, Node.js, Ethers.js, Hardhat, Solidity* July 2022
- Conceptualized, designed and developed an innovative feature for a blockchain-based messaging platform that allows users to send "Waves" alongside their messages to a contract address, viewable on the Rinkeby Testnet blockchain
- Implemented advanced Web3.0 technologies including ethers.js and Hardhat to fetch and display every single message sent to the listed contract address upon user authentication
- Ensured user security by fabricating the feature to be accessible only via Metamask authentication

Polybay | *Solidity, Hardhat, Mumbai, Next.js, Ethers.js* August 2021 – April 2022
- Spearheaded the development and planning of the first phase of an NFT marketplace project for Area67Labs @ UCF, utilizing Solidity as well as Ethers.js and Hardhat for deploying and testing
- Accomplishes ERC20 and NFT transactions upwards of 10X cheaper at the expense of transaction speed by being deployed on Polygon/Mumbai testnet, as shown in the block explorer.
- Utilized the OpenZeppelin library to build a minting smart contract capable of uploading the metadata to an IPFS server

Groov | *Firebase, Express, React, Node.js* January 2021 – May 2021
- Collaborated via pair programming to design and implement a cutting-edge recording and playback feature, enabling users to record their voice with a microphone and play them over an instrumental
- Assembled and designed login and registration pages and components, as well as authentication with Firebase
- Led the overall vision of the product

INVOLVEMENT

Society of Hispanic Professional Engineers | *SHPE Member* Fall 2019 – Fall 2021
- Member of SHPE Tech Committee, introducing and developing skills in programming and tech to students from all majors
- Active member of the club, raising funds and participating in various activities

AWARDS

President's List Spring 2020
Dean's List Spring and Fall 2021