Zhiwen Huang

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Work Experience

Synapse | **Software Engineer III** | *Financial platform*   *Mar 2022- Jun 2022*
- Created Ethereum nodes on AWS for company financial applications
- Developed an Ethereum custodial wallet for Ethereum, Solana, and Polygon
- Worked on a terraform script for a Polygon node on AWS

Icered | **Blockchain Engineer** | *Social app metaverse that incorporates blockchains*   *Nov 2021 - Jan 2022*
- Developed a token that only allows the use of an admin signature to mint tokens
- Created the smart contracts and backend for a NFT exchange that had users sign messages to list their NFTs and that allowed lazy minting
- Researched the creation of a centralized crypto exchange for Bitcoin, Ethereum, and Icered tokens

Darwins | **Blockchain Engineer** | *Darwins builds applications connecting people to Web3*   *Jun 2021 - Nov 2021*
- Created an ERC721 smart contract implementation for user rewards with a method to lazy mint the tokens to be redeemed at a later date
- Worked on a way to transition the smart contract system into a layer-2
- Developed a decentralized ERC721 buy sell smart contract, auction smart contract, and offer smart contract and also developed a centralized version of those contracts
- Worked on Angular 2 frontend components and also worked on a backend with Typescript that used Hapi to create API routes for the frontend to call

Halo Platform | **Back-end Developer** | *Platform for cryptocurrency management and apps*   *May 2018 - Aug 2018*
- Helped with a cryptocurrency exchange using Node.js that traded Bitcoin, Ethereum, and Halo
- Created unit and integration tests using Mocha Chai for all the methods and functions in a cryptocurrency exchange
- Performed application updates with an Agile and Scrum methodology for fast software iterations

Projects

Dex | *A decentralized exchange for Ethereum ERC-20 tokens*   *2024*
- Developed a smart contract that allows users to trade tokens in a decentralized manner. Made the smart contract cheap to use to optimize gas fees for users
- Developed the front-end using React that pulls data from the blockchain and that displays trades, allows users to make trades, search for trades, and also to cancel trades. Used Wagmi to connect with a wallets such as Metamask

Delib | *Ethereum framework for DApps and smart contract management*   *2016 - 2021*
- Constructed an Ethereum framework that allows developers flexibility when developing decentralized apps and to interact with smart contracts via the command line
- Executed automatic Ethereum transaction gas estimates by encoding constructor parameters in contract deployment and creating custom contract instances for method calls

Devchain | *Ethereum private blockchain creator and development geth node*   *2016 - 2018*
- Developed a command tool that abstracts away the setup needed to configure and link up a genesis file when initializing private Ethereum blockchains with geth

Destore | *Secure decentralized file storage and hosting platform*   *2016*
- Architected using Node.js a decentralized, Ethereum blockchain based, peer to peer file storage platform that included trustless cryptocurrency exchange between its users

Technical Skills

Strong: JavaScript, Node.js, React, React Native, Express, jQuery, Angular, Angular 2, Python, Blockchain, Ethereum, Solidity, web3.js, ethers.js, IPFS, MongoDB, Gulp, TDD, HTML, CSS, SASS, Git, d3.js, Wagmi
Experienced: Ruby, Django, Redux, D3, PostgreSQL, WebSockets, WebRTC, Electron, Webpack, Mocha, Linux

Education

Codesmith   *Los Angeles, CA*
Software Engineering Immersive Program   *September 2016*

University of Florida   *Gainesville, FL*
Bachelor of Science in Mechanical Engineering   *December 2014*