Madison Fries

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Professional Experience

Charged Particles   April 2022 - Present
Front End Engineer
- Collaborated with a team of 6 across time zones with asynchronous schedules
- Created custom hooks with React Query to effectively utilize caching from external graph and API sources such as Alchemy.
- Used ethers library to interface with Ethereum network, with external tools such as Etherscan to troubleshoot when problems arise
- Optimized React components with callbacks and memos to prevent large page rerenders and increase client performance
- Designed our public SDK to provide simplified interaction with our smart contracts
- Performed unit and integration tests on our SDK with Jest and Hardhat

Tender Greens • *Cashier / Salad Maker*   April 2021 - April 2022
Mario's Italian Restaurant • *Server / Host*   Nov. 2017 - Feb. 2021

Technical Experience

Alto   https://alto.earth   Present
Currently rebuilding my first project with a focus on massively improving user flow, a11y accessibility, and overall design. Alto is a centralized plant database inspired by Wikipedia/Google to aid beginner plant lovers in caring for their plants. Built using Svelte, Astro, Tailwind, Sanity, Typescript, with zero external UI component libraries

Chese   https://chese.onrender.com   Feb. 2022 - April 2022
An NFT marketplace on the Goerli testnet. Wrote Solidity smart contracts for the back end. Utilized Alchemy, Infura, Pinata, and IPFS API sources. The front end was built using React, Typescript, Tailwind, and Gatbys.js.

Linux Server Administration   2016 - Present
Managed home Linux server. Primarily used to manage terabytes of data using tools such as BTRFS and RAID, SSH, bash. Hosted Ethereum/Chainlink nodes, nginx reverse proxy, file/media server, and commercial networking hardware controllers (Ubiquiti/Omada).

Skills

Languages: JavaScript, TypeScript, HTML, CSS, Solidity, Bash
Developer Tools: Docker, GraphQL, MongoDB, IPFS, Jest, Firebase, Sanity
Frameworks: React, Svelte, Astro, SvelteKit, Gatsby.js, NextJS, Express
Packages: TailwindCSS, Material-UI, Styled-Components, Ethers.js 5.0, React Query

Education

San Diego State University   2019 - 2020
BS - Computer Science
Harvard Extension School   2017 - 2017
Computer Science Program