

# Madison Fries

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## Professional Experience

Charged Particles & Taggr

April 2022 - Present

Front End Engineer

- Optimized the primary data grid by removing bugs, reducing external API calls by 14%
- Incorporated Firebase backend, building cloud functions for user authentication and database communication
- Created React Query hooks to utilize caching from GraphQL and JSON API sources
- Interfaced with a complex decentralized back end using React Contexts to hold user authentication required for signed transactions
- Aided in design and build of our public Javascript SDK
- Performed unit and integration tests with Jest and Hardhat
- Debugged areas of code causing excessive rerenders, replacing the technical debt with React callbacks and memos
- Unified three separate sources of inbound data to create one cohesive page for users that enables outbound transactions using our SDK
- Spearheaded front end design and code of a B2B onboarding product that eliminates overall user transaction fees by 10%
- Collaborated with a team of 10 across time zones with asynchronous schedules and timezones

Tender Greens • *Cashier / Salad Maker*

April 2021 - April 2022

Mario's Italian Restaurant • *Server / Host*

Nov. 2017 - Feb. 2021

## Technical Experience

- Demos, videos, and in-depth descriptions on <https://madisonfries.xyz>

Alto <https://alto.earth> Present

Currently rebuilding my first project with a focus on massively improving user flow, ally 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, SvelteKit, 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 Gatsby.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

Software: Docker, GraphQL, MongoDB, IPFS, Jest, Firebase, Sanity CMS

Frameworks: React, Svelte, Astro, SvelteKit, Gatsby.js, Next.js, Express

Packages: TailwindCSS, Material-UI, Styled-Components, Ethers.js, React Query

## Education

San Diego State University

2019 - 2020

BS - Computer Science

Harvard Extension School

2018

Computer Science