Zach Sherman

I make human-centered digital tools

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github | portfolio

Oakland

Repl.it (April - May 2020)
Product Engineer (contract)

▸ worked directly with the CEO to quickly prototype a new system for publishing and sharing repls

▸ quickly learned **Apollo**, **GraphQL**, and **PostgreSQL** to build the new system in an unfamiliar codebase

Open Work Labs (July - Nov 2019)
Product Engineer

▸ used **React** + **Redux** to build three different iterations of a web app to organize and share any GitHub repo's activity

▸ used **NodeJS**, **web3.js**, **MongoDB** to create a server that used the Ethereum blockchain as a permissions layer for **IPFS** pinning

▸ used **Figma** to build wireframes and mockups before prototyping in React

▸ created a website and visual identity for our early-stage startup

University of Chicago (2015-19)

▸ *GPA: 3.6 + Dean's List all four years*

▸ *Relevant coursework: Intro to Computer Science I (Scheme) + II (C), Machine Learning + Images, Data and Algorithm in Art, Calculus III, Statistical Methods + Applications, Advanced Quantitative Modeling in Biology, Metamedia Design Studio*

Professional experience with: HTML/CSS/JS, React, Redux, Apollo, NodeJS, Jest, Git, Typescript, GraphQL, Postgres, MongoDB, Docker, IPFS, Figma

Personal experience with: Python, Clojure, R, Rust, Haskell, C, Elixir/Phoenix, Scheme/Racket, OCaml, ReasonML, F#, C#/Unity, Elm, Svelte/Sapper, Dat, CRDTs

Skilled at:

▸ designing and building systems

▸ learning quickly: new programming languages, work frameworks, design tools, etc.

Reclaim Chicago (2015-19)
Electoral Lead

▸ coordinated electoral work on- and off-campus, winning numerous victories around the city

▸ led direct actions that changed political possibilities in IL— the current governor is implementing one of the most progressive agendas of any state gov

Smart Museum
(Oct 2018- June 2019)

▸ used web and game dev frameworks to create interactive artworks for the web and gallery spaces

▸ collaborated with other artists to stage a series of networked audiovisual performances (first project listed in link)