

TOBY FOX

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Versatile, collaborative, and agentic **full-stack engineer** with sharp communication skills and design intuition. I have 14 years of experience across frontend, backend, hardware, firmware, devops, analytics, growth, smart contracts, product design, UX, UI, copywriting, client integration, and the full gamut of startup generalist work. I solve hard problems and build stuff with impact.

WORK EXPERIENCE

- 2023 – present** **Unfold**, unfoldtrips.com
Co-Founder
- ↳ Bootstrapped emerging industry e-commerce company to 30% MoM user/revenue growth in 1 year
 - ↳ Led vision and strategy, growth, product design, partnerships, user research, accounting, supply chain, social media, marketing, and e-commerce stack implementation
- 2016 – present** **Freelance**, tobyfox.com
Contract-based full-stack work including:
- ↳ 2024 – XyloPlan – Implementation of GIS dashboards for running and sharing wildfire simulations incorporating dozens of data layers and ecological parameters
 - ↳ 2022 – Mojito – Led frontend and smart contracts for a white-label platform for launching and selling NFT collections (clients included Sotheby's), mentored junior devs
- 2020 – 2022** **Consensys**, Remote
Senior Full-Stack Web Developer
- ↳ Frontend lead for platform supporting decentralized and self-sovereign identity tech for web2 + web3
 - ↳ Lead creation of SDK, component library, and schema creator for decentralized identity ecosystem
 - ↳ Served as delegate to W3C Credentials Community Group, defining global standards for trustless verifiable credentials (government IDs, academic diplomas, covid records, etc)
- 2018 – 2020** **Civil**, Brooklyn, NY
Technologist-in-Residence
- ↳ Created platform and plugins used by dozens of journalism orgs, supporting permanent and censorship-resistant archives on the Ethereum blockchain, smart contract micropayments, and more
 - ↳ Created SDK for chain-of-trust and transparency tools for journalists and readers
 - ↳ Presented conference talks and panels on cooperative ownership and community governance in media
- 2014 – 2018** **Digg**, New York, NY
Senior Full-Stack Engineer
- ↳ Developed CMS and frontend for a news site serving millions of monthly pageviews
 - ↳ Created microservice for unshortening 1000s of URLs across the web per second
 - ↳ Lead a realtime platform that concurrently served 1000s of readers conversing with journalists
- 2011 – 2015** **Other experience**
- ↳ Headsoak: Created augmented note-taking tool with smart tags, automation, data viz, API, etc
 - ↳ Dow Jones: Maintained WordPress network hosting dozens of Wall Street Journal blogs: millions of views daily, breaking news traffic surges, newswire integrations, and 99.99% uptime during my tenure
 - ↳ Avantari: Co-founder and CTO of company creating healthcare monitoring device for elderly care

EDUCATION

- 2010 – 2011** **UNIVERSITY OF OXFORD** – Kellogg College, Oxford, UK
MSc in Computer Science, pass with distinction
- 2006 – 2010** **VASSAR COLLEGE** – Poughkeepsie, NY, USA
BA dual degree in Computer Science and English Literature, with honors, GPA: 3.95/4.00, SAT: 1560/1600

SKILLS AND INTERESTS

Programming Languages: JS, TS, CSS, HTML, Python, Bash, PHP, Perl, Java, C++
Tools: React, Webpack, MUI, Storybook, GA, AWS, CircleCI, Shopify, WordPress, Vim, Figma, Photoshop, Maya, LaTeX
Natural Languages: Fluent written and spoken Spanish, conversational Turkish, basic Japanese
Interests: Creative writing, meditation, generative art, mnemonic systems, circling, PKM, caving, squash, telemark skiing