

Julie Bodian

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[GitHub](#)

EXPERIENCE

Freelance, Software Engineer & Creative Technologist — 2021-Present

- Develop responsive websites for clients using Decap CMS, delivering visually unique, performance-optimized designs tailored to their specific needs.
- Create interactive music visualizers and digital tools for the People's Coalition of Tandy, a music and arts label, using technologies like Three.js, GLSL, CSS animations, and P5.js to enhance artist visibility and audience engagement.
- Design and implement projection mapping installations with shader coding and real-time visual effects for live performances, including touring with the band "of Montreal".

Vista, Software Engineer — 2020-2022

- Developed new tools for Vistaprint's studio using React, including a fonts browser, project template browser, and saved projects browser, improving accessibility and workflow efficiency for users
- Migrated products from a monolithic codebase to a modernized platform, enabling faster development cycles and improved maintainability
- Collaborated with in-house designers and external contractors to redesign Vistaprint's studio platform, enhancing the user experience of 17 million small businesses.
- Developed custom studio editing experiences for product-specific designs, expanding product offerings and simplifying the customization process for customers

Environmental Dashboard, Software Engineer — Summer 2019

- Improved scalability for an environmental tech project serving the Cleveland-metro area.
- Built a tool to create and edit new city 'dashboards' that display local energy metrics, enabling the project to expand to other cities easily
- Presented tools and metrics at citywide community events in Cleveland and Oberlin, OH

PROJECTS

TandyLinx – [Demo](#), [Code](#)

A link in bio service with creative templates built with Express, React, NodeJS, and Sqlite3

DigiCDs – [Demo](#), [Code](#)

A file hack made to store audio data in PNG files, originally written in C and ported Javascript

Fish Center Live AI – [Demo](#), [Code](#)

Fish collect coins using an object detection model. Used transfer learning and custom dataset for detecting fish

SKILLS

Programming Languages: JavaScript, TypeScript, GLSL, CSS, HTML, Python, JSON, SQL, BASH

Frameworks and Tools: React, Node.js, Express, Three.js, Redux, Vite, SQLite, Git, Docker, Nginx, Decap CMS, GLSL

EDUCATION

Oberlin College and Conservatory – Oberlin, OH

Bachelor of Arts, Computer Science, 2020 | Bachelor of Music, Classical Guitar, 2020

Recurse Center – Brooklyn, NY

Participant, 2024