

WEBSITE

chrisblack.net

PROFESSIONAL EXPERIENCE

American Board of Radiology / 2019 - Present / Software Developer

I have been primarily responsible for RADS, a web app used for exam creation and organization, including image upload with in-browser editing and exam material status-tracking through a multi-phase, multi-role approval process.

- Build new features and full workflows from mockups or written requirements.
- Tech debt refactoring rounds to reduce complexity and remove dead code. Recent result: a merge yielding 81 insertions and 2,436 deletions.
- API optimization. Example: reduced a response of 15MB of text to 57KB, saving 28s loading the same view.
- Convert institutional "tacit knowledge" to documentation available in the company wiki.
- Communication: Work with users, staff, UX designers, and QA engineers throughout the development process.
- Participate in daily code review.

TypeScript / Node.js / Aurelia / SQL / HTML / CSS / Tailwind CSS Library

Chicago Music Store / 2008 - 2019 / Software Developer

While managing the sheet music department of a family-owned music store, I maintained the WordPress website, taught myself PHP, and built the following tools to automate and simplify daily tasks:

- A web interface allowing customers to rent musical instruments, which now accounts for 20% of their rental business.
- A tool to automate the task of ordering and tracking large quantities of sheet music across the state, reducing the work of days to a matter of hours, winning back an account worth \$30,000/year.
- A contact management tool to automate large parts of the collection process, so that a round of calls to all delinquent accounts could be made once per day, rather than once per week.
- A tool for collaborative event organization, moving the workflow from a number of shared Excel sheets to a centralized app, reducing errors, lost data, and miscommunications.

PHP / WordPress / HTML / CSS / JavaScript / MySQL

SELECTED PROJECTS

Emoji Disco / github.com/thischrisblack/emoji-disco

My first of likely many experiments with the Web Audio API. Upload a music file to get the party started.

Glengarry Bob Ross / twitter.com/glengarrybob

A bot that tweets out images of Bob Ross captioned with lines from the film Glengarry Glen Ross.

Tailwind Config Spectrum / github.com/thischrisblack/tailwind-config-spectrum

Drop in your Tailwind config file to see the rainbow of custom colors you've created in a quick, easy reference.

Vexations / www.chrisblack.net/vexations

A web app to help you play Erik Satie's "Vexations" 840 times in a row on the piano, as he intended.