CHRIS BLACK

black@chrisblack.net

github.com/thischrisblack
JavaScript, TypeScript, HTML, CSS

EXPERIENCE

Software Developer, The American Board of Radiology   October 2019 - present

- Primary focus: an exam creation web app, featuring complex forms, in-browser image editing, and item status tracking through a multi-phase, multi-role review process.
- Build new features and full workflows from mockups or written requirements.
- Collaborate with leadership, UX designers, dev teammates, Quality Assurance engineers, and admin staff (users) through each phase of the development process.
- Convert tacit knowledge to documentation in the company wiki. Wrote documentation on user workflows, code deployment, and contributed to other docs.
- Reduced source code by 1.2% in a merge yielding 81 insertions, 2,436 deletions by simplifying application state structure and eliminating dead code.
- Reduced dashboard load time by 28 seconds by optimizing an API endpoint to return 57KB instead of 15MB for the same view.

TECH**: TypeScript**, **Aurelia** (a frontend framework), **Node.js**, **C#**, **SQL**, **HTML**, **CSS**

WordPress Developer, OpenForm   September 2019 - October 2019

- As a contractor, performed custom WordPress theme development.
- Explored the new "Gutenberg" editor capabilities for possible adoption in client sites, creating a demo of its feature for evaluation by studio leadership.

TECH**: PHP**, **WordPress**, **HTML**, **CSS, SQL**

Software Developer, Bookkeeper, Chicago Music Store   December 2008 - October 2019

Built in-house and public-facing applications which:

- Allowed customers to reserve musical instruments for rental online, which now accounts for 20% of their total rental business.
- Streamlined and automated the process of ordering and tracking large quantities of sheet music, reducing errors and turnaround time, winning back an account worth $30,000/yr. Example: the research & data entry alone for a typical order previously required 3-4 hours to complete, but this was reduced to about 20 minutes.
- Simplified and automated the collection process, enabling a round of contacts to all delinquent accounts to be made once per day, rather than once per week.
- Moved the workflow for collaborative event organization from several shared Excel sheets to a centralized app, reducing errors, lost data, and miscommunications.

TECH**: PHP**, **WordPress**, **JavaScript**, **HTML**, **CSS, SQL**

SELECTED PROJECTS

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

- An experiment with the Web Audio API. Upload a music file and the decibel levels of selected frequency bands animate the dancers, lights, DJ, turntables, and speakers.

  TECH**: JavaScript, Web Audio API, HTML, CSS**

Vexations   https://github.com/thischrisblack/vexations

- A web page to help play Erik Satie's "Vexations" 840 times in a row. Select your tempo, click BEGIN, and play along with the scrolling music.

  TECH**: JavaScript, HTML, CSS**

Glengarry Bob Ross   https://github.com/thischrisblack/glenngary-bob-ross

- A Twitterbot that tweets dynamically-generated images of painter Bob Ross subtitled with lines from the "always be closing" monologue from the film *Glengarry Glen Ross*.

  TECH**: JavaScript, Node.js, JIMP, Heroku**

LEADERSHIP

Founder and Artistic Director, ChamberLab, Tucson, AZ   2010 - 2017

- Founded non-profit alt-classical chamber music concert series.
- Organized 20 performances in venues including rock clubs and movie theaters.
- Recruited and collaborated with over 100 composers and performers.
- Organized a 16-hour performance marathon, raising $17,000 for the ACLU of Arizona.
  - Created online hub for performers and sponsors to register and make pledges of support, using **PHP** and **MySQL**.
  - Created big-screen sheet music display operated by a pianist with a USB switch, using **JavaScript**, **HTML**, and **CSS**.