

PROJECTS

Record Cloud (Rails, React.js, Redux) [LIVE](#) | [GitHub](#)

A single-page web app for recording and sharing sounds online

- ❖ Integrated Recorder.js library to record audio from the microphone into .wav BLOBs using MediaDevices API
- ❖ Automated upload for recordings to cloud storage using Cloudinary API upon submission
- ❖ Implemented AJAX request parameters to fetch only the requested recordings data for reduced space usage on frontend
- ❖ Indexed uploader and category keys in the recordings table for more optimized search using only the respective primary key

Chrome Audio Capture (JavaScript) [Store](#) | [GitHub](#)

Google Chrome extension to capture and save audio playing on a tab

- ❖ Used Chrome tabCapture API in conjunction with .wav recorder library to produce high-quality audio files for download
- ❖ Intuitive and responsive UI using JavaScript and CSS
- ❖ Over 4000 active users with positive reviews

Puzzle and Elements (JavaScript, Canvas) [LIVE](#) | [GitHub](#)

Browser orb-matching game similar to Bejeweled

- ❖ Created orb falling and matching animations using pure vanilla JS without any external libraries
- ❖ Employed object-oriented programming in game design, separating game logic into GameView, Orb, and Board for clean and easily-debuggable code

EXPERIENCE

AbbVie BioTherapeutics, Associate Scientist

Redwood City, CA - 2015-2016

- ❖ Programmed and tested systems for antibody purification to ensure reliability of the process on both development and production scales
- ❖ Developed, optimized, and documented polishing chromatography methods using hydrophobic interaction resins

SKILLS

- ❖ Ruby
- ❖ JavaScript
- ❖ Rails
- ❖ React.js
- ❖ jQuery
- ❖ HTML5
- ❖ CSS3
- ❖ Git
- ❖ RSpec
- ❖ SQL
- ❖ Redux

EDUCATION

[App Academy](#)

Intensive 1000-hour programming bootcamp with < 3% acceptance.
Completed: Dec 2016

[University of California Davis](#)

B.S in Biomedical Engineering, specialization in Biomechanics
Degree Earned: June 2014

Relevant Courses: Software Development and Objected-Oriented Programming (C++), Electronic Circuits and Systems, Bioinformatics