Tassos Bareiss

Software Developer   [Github](#) | [LinkedIn](#) | [Portfolio](#)

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Skills

JavaScript | Ruby | Rails | React | Redux | jQuery | RSpec | Git | SCSS | AWS | PostgreSQL

Experience

App Academy / Teaching Assistant
March 2017 - May 2017, New York City

- Collaborated with 50+ developers to solve their toughest bugs as they built single-page apps using Rails, React, and Redux, contributing to a 98% job placement rate
- Delivered a lecture on the Rails Asset Pipeline and deploying to Heroku in order to prepare students for working on apps in production

Fulbright Scholarship / English Teacher
June 2015 - June 2016, Vientiane, Laos

- Developed verbal mnemonic systems in order to teach phonetics to the first three blind students to attend the National University of Laos, helping them complete their first year
- Fostered cultural exchange by integrating a folk-tale performance into the phonetics course

Projects

LoudCloud / Ruby on Rails, React + Redux, SCSS   [live](#) | [github](#)
A music streaming, audio hosting, single-page app based on SoundCloud

- Facilitated a seamless music-streaming experience by dynamically generating play queues based on the user's last played track
- Reduced load-time from seconds to milliseconds when rendering multiple waveforms by extracting and storing audio buffer data server-side upon track upload
- Achieved reusable code by organizing the React app as container components which provide data and behavior to presentational components

Gazebo / Ruby, Rack, PostgreSQL, RubyGems   [live demo](#) | [github](#)
A lightweight MVC framework and Ruby gem

- Designed a 'relation' class that lazily builds and executes a SQL query based on user input to provide chainable query methods on the model base class
- Emphasized ease of development by packaging the library into a ruby gem with a command line interface for running migrations and seeds

Lyrical / JavaScript, D3, HTML, CSS   [live](#) | [github](#)
An interactive visualization of how often a word appears in pop song lyrics from 1965 to 2015

- Improved performance of real-time input validation by using a trie data structure
- Stressed DRY, modular code by following object-oriented design principles when using D3 for data-driven SVG manipulation

Education

App Academy / Full stack coding bootcamp with < 5% acceptance rate
December 2016 - March 2017, New York City

- Prioritized mutual understanding while pair programming, receiving the highest pair rating of my cohort and an offer to join the teaching staff

Pitzer College / Bachelors of Arts, Mathematics
Class of 2015, GPA: 3.78