TYLER BALDWIN

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EXPERTISE

React, Redux, JavaScript, Node.js, MongoDB, Python, jQuery, Ruby, Rails, Mocha, Selenium, RSpec, Jasmine, Jest, SQL, Git, HTML5, CSS3/preprocessors

EDUCATION

App Academy, 2018
1000 hour coding intensive program, <3% acceptance rate

Amherst College, 2012-2016
BA—Economics and English
Cumulative GPA: 3.67

EXPERIENCE

Editorial Assistant   *Oxford University Press*
                                            Aug 2016 - Jun 2018

- Utilized a combination of bibliometric databases, web analytics software and Microsoft Excel to recommend strategies for increasing journal prestige metrics (e.g. Impact Factor), subscriptions and readership
- Explained and defended strategy reports during daily phone calls with editors and researchers

Full Stack Development Intern   *Vigilant*
                                            Jan 2019 -

- Designed a full suite of integration tests with JS(Mocha) and Selenium for public records search platform
- Build ETL data pipelines with Python and Selenium

Front End Lead   *JETSWEAT*
                                            Dec 2018 -

- Lead a team of four to build new web platform for a subscription-based iOS app heavy on video content
- Own full React.JS features and ship to production regularly; features often spill into Sails.JS/Node backend

PORTFOLIO

rouTracer (React, Redux, Rails) **Live Site** | **Github**

Single-page web app for creating, tracking and sharing personal workout data; clone of Strava

- Integrates Google's separate Maps, Directions, and Elevation APIs with React/Redux to allow for the creating, editing, saving and deleting of running/cycling routes drawn on a map
- Leverages a graphing API called Recharts to store pieces of graphs as miniature React components, giving user the ability to visualize their workout data in various different ways

tinyDAW (vanilla JavaScript)   **Live Site** | **Github**

In-browser implementation of a Digital Audio Workstation (e.g. Ableton, Garageband)

- Metronome class' timing function orchestrates a collaboration between JavaScript clock and the Web Audio API clock, leveraging the strengths of each to achieve highly accurate note-timing that isn't affected by change in tempo
- Keydown event listener collaborates with a beat counter variable in the Metronome class to register user keystrokes to a corresponding div, allowing user to record rhythms and melodies on their keyboard in real time to the accuracy of a 32nd note.

livelyVinyl (Ruby, SQL)   **Github**

Lightweight ORM that translates between SQL and Ruby, inspired by ActiveRecord

- Provides Ruby methods for querying, searching in, creating, deleting from and updating an SQL database
- Implements 'belongs_to', 'has_many' and 'has_one_through' associations by dynamically defining methods