

Christopher J. Lew

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PROJECTS

Tempo (Rails, PostgreSQL, React, Redux)

[Live](#) | [Github](#)

A fullstack single-page music streaming app inspired by Spotify

- Features persistent music streaming by preloading queued songs from AWS
- Performs asynchronous AJAX calls to update the frontend while not disturbing the user experience
- Extracts audio metadata on save to database through the Taglib-Ruby gem
- Enables a social user experience featuring friending users and complete playlist CRUD

Databall (Javascript, HTML, d3.js, Canvas)

[Live](#) | [Github](#)

A visualization of data from the NBA

- Features customizable scatterplots of NBA stats throughout the years

DOMquery (Javascript, HTML)

[Live](#) | [Github](#)

A DOM Manipulation library inspired by jQuery and written in vanilla JavaScript

- Users have the ability to select existing DOM elements or create their own
 - Features intuitive api that handles AJAX calls and DOM manipulation
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SKILLS

Ruby	Rails	CSS3	HTML5	JavaScript	jQuery
React.js	Redux	Git	RSpec	SQL	PostgreSQL
Node.js	AWS	Howler.js	Heroku	Flux	

WORK HISTORY

E2chem Consultants (Poughkeepsie, NY) - Mechanical Engineer

October 2016 - February 2017

- Increased profit by 20% and decreased total work time by 30% on a contract valued at \$125,000 by optimizing the work schedule and providing incentives for contractors.
 - Coordinated with senior managers to create scopes of work and develop a project's deliverables based on the client's needs, resulting in satisfied repeat clientele
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EDUCATION

App Academy

- 1000+ hour full stack web development course with < 3% acceptance rate

University at Buffalo, The State University of New York

- Bachelor of Science in Aerospace Engineering
- Coursework included Intro CS, Differential Equations, Linear Algebra, Statistics