



Mallory Bulkley

mallorybulkley.com
259 West 25th Street

919-607-9001
New York, NY 10001

@ mallorybulkley@gmail.com
 mallorybulkley
 mallorybulkley

SKILLS

JavaScript, Ruby, Rails, React.js, Redux, jQuery, HTML5, CSS3, SQL, Git

PROJECTS

Stratus Sound (Rails, React.js, Redux)

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

Full-stack, single page music streaming web app

- Decoded audio files asynchronously and saved samples of the channelData in a PostgreSQL database resulting in accelerated rendering of waveform visualizations
- Implemented a Flux architecture, utilizing a single HTML5 audio player and the Redux store to maintain a seamless listening experience
- Incorporated reusable, modular React components to keep code DRY

A Day in the Life of Citi Bike (JavaScript, Firebase)

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

An object-oriented visualization of Citi Bike trips using Google Maps

- Calculated the speed between inflection points along each route to provide a smoother and more accurate visualization of trips over time
- Optimized animation of trips by pre-fetching routes from Google Maps API and saving them in the cloud using Firebase

WORM (Ruby)

[Github](#)

Lightweight ORM library with a custom API for retrieving and manipulating data

- Emphasized convention over configuration by providing sensible defaults for association class names
- Leveraged Ruby metaprogramming and SQL to simplify complex database queries by dynamically defining methods based on column and association names

EXPERIENCE

InterActiveCorp (IAC), Jun 2014 - Dec 2016

Jr Accountant, Media Division, Apr 2015 - Dec 2016

- Spearheaded team of five in new international licensing collections processes, leading to a 50% reduction in outstanding accounts receivable
- Extracted and parsed financial data from an Oracle database
- Programmed command line scripts to reduce time spent on repetitive tasks
- Calculated pay rates for freelance writers based on pageviews using Google Analytics

Accounts Payable Clerk, Jun 2014 - Mar 2015

- Eliminated over six months' worth of backlogged work by streamlining workflow and creating templates to simplify the process of coding invoices in Oracle

EDUCATION

Web Development - App Academy, 2016 - 2017

- Rigorous 1000-hour full-stack software development course with <3% acceptance rate and focus on computer science fundamentals and agile methodologies

BBA, Music Business - Belmont University, 2014

- GPA 3.872 (Magna Cum Laude, Dean's List)