

# Mallory Bulkley

mallorybulkley@gmail.com | mallorybulkley.com | github.com/mallorybulkley

## Skills

JavaScript, React.js, Redux, Ruby, Ruby on Rails, SQL, HTML, CSS, jQuery, Git

## Experience

### **Software Engineer**

Jul 2019 - Present

Kindbody - New York, NY

- I work on our backend EMR system, our patient portal, and internal tools

### **Software Engineer**

May 2017 - Jun 2019

Persado - New York, NY

- Worked primarily on a client-facing web app using Rails and React
- Worked extensively on front and back end performance improvements which reduced load times by over 91% and improved responsiveness
- Integrated with external APIs such as Facebook Graph API and Shutterstock
- Optimized database queries using strategies including PostgreSQL partitioning and caching to cut slow requests from minutes to seconds
- Created dynamic data visualizations with Highcharts and D3.js
- Onboarded 4 team members; scripted automation taking setup time from a day to 40 min
- Maintained test suite (Jest, Capybara, RSpec, Minitest); continuous integration with Gitlab

### **Volunteer Teacher**

Sep 2017 - Present

CodeNation (formerly ScriptEd) - Brooklyn, NY

- Teach fundamentals of HTML, CSS, and JavaScript to a high school class

### **Jr Accountant, Media Division**

Jun 2014 - Dec 2016

InterActiveCorp (IAC) - New York, NY

- Spearheaded team of five in new international licensing collections processes, leading to a 50% reduction in outstanding accounts receivable
- Queried and parsed financial data from an Oracle database
- Developed command line scripts to automate repetitive tasks

## Projects

**Stratus Sound** - [Live](#), [Github](#) - Music Streaming Web App (React, Rails, PostgreSQL, AWS S3)

- Asynchronously decodes user-uploaded audio files and saves samples of their channelData to allow for accelerated rendering of waveform visualizations on Canvas
- Utilizes Redux to maintain a seamless listening experience on a single HTML5 audio player

**A Day in the Life of Citi Bike** - [Live](#), [Github](#) - Data Visualization (JavaScript, Google Maps)

- Calculates 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 saving pre-fetched Google Maps API routes with Firebase

## Education

### **Belmont University**

2011 - 2014

B.B.A. Music Business

Magna Cum Laude - Dean's List - GPA 3.872

### **App Academy**

2016 - 2017

Rigorous full-stack software development course with <3% acceptance rate