

# JOANNA CHEN

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[Portfolio](#)

[Linkedin](#)

[GitHub](#)

**Skills** React / Redux , JavaScript , Ruby , Ruby on Rails , HTML5 , CSS3 , Vanilla DOM , D3 , AJAX , Active Record , AWS , Agile Methodology , Capybara , CRUD , Git , Heroku , jQuery , JSON , MVC Framework , Mapbox GL JS , Mocha , Object Oriented Programming , postgresSQL , REST , RSpec , SQL , Test Driven Development , Webpack

## Projects

### Brewer

[live site](#) | [github](#)

React / Redux, Ruby on Rails, JavaScript, postgresSQL, CSS3, AWS, Heroku, Webpack, Heroku, Mapbox GL JS

A single-page app inspired by Eater. Users can browse breweries, generate guides by city, and favorite guides.

- Implemented Mapbox GL JS and database calls to easily render each brewery's location on a city map.
- Stored images on cloud with AWS S3 and Rails Active Storage to reduce server load and allow the app to scale.
- Developed an AJAX call to connect with the backend to parse a response that renders a guide and respective breweries.

### BoopBlocks

[live site](#) | [github](#)

JavaScript, D3.js, Web Audio API, HTML5, CSS3, Heroku

Interactive browser instrument that teaches users about musical hemiolas and polyrhythms in a dynamic way.

- Utilized D3.js to create dynamic SVG elements that allow intuitive user interaction with Web Audio API.
- Implemented logic with Vanilla DOM and JavaScript that initiates sound and animates a graphic representation of a polyrhythm for a dynamic user experience.
- Developed logic using pure JavaScript to create a mute button that mutes sound and pauses live visualization.

### adAstra

[live site](#) | [github](#)

Javascript, HTML, CSS, MongoDB, React, Express.js, Node.js, Mapbox GL JS, React Native Calendar, AWS S3

Event planning app built to create a stargazing community and help users geolocate the best sites for stargazing events.

- As the team's main frontend engineer, designed a dynamic web page and interactive hover effects with CSS3, to render an eye-catching website and forum with intuitive UX.
- Developed filter logic integrated with Mapbox GL JS geolocation to map the reflective location of constellations on Earth and display all currently viewable constellations.
- Implemented Vanilla DOM and JavaScript to redirect users from the main calendar to a specific date's event page.

## Experience

**Production Manager** | October 2018 - April 2019

Berklee College of Music | Departments: Concert Services, Admissions, Audio/Visual

- Cross-departmental role built specifically because of 4 years of student work experience in the Admissions, Concert Services, and Audio/Visual departments.
- Designed wireframes and logistical plans for 400+ concerts to improve team efficiency and collaboration.
- Utilized Salesforce and Google Sheets to manage 1200+ applicant auditions and record faculty feedback.
- Learned and utilized technical equipment (ex. ColorSource 20 DMX lightboard, JVC cameras, Yamaha EMX mixers, and more) with little to no instruction for audio/visual production of several hundred events.

**Temporary Events Assistant** | August 2018 - November 2018

Grantham Mayo Van Otterloo & Co. LLC

- Designed mobile app for 500 conference attendees to connect, navigate, and provide information about the GMO 2018 Fall Client Conferences (HTML, CrowdCompass, Cvent).
- Extracted and compiled data from Pivotal Data Suite to produce quarterly financial reports for leadership.

## Education

**App Academy** Fall 2019 | San Francisco, CA

Immersive software development course with focus on full stack web development.

**SPLICE Institute** July 2019 | Kalamazoo, MI

Music technology intensive with workshops on Arduino IDE (C++), MaxMSP, and Supercollider (C++).

**Boston Conservatory at Berklee** 2014-2018 | Boston, MA

Bachelor of Music, Percussion Performance, Summa Cum Laude, 3.87 GPA