

# JOANNA CHEN

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**Skills** JavaScript (experienced), Ruby (experienced), Java (beginner), React / Redux, Ruby on Rails, Node.js, HTML5, CSS3, Vanilla DOM, D3.js, AJAX, AWS, Agile Methodology, CRUD, Git, Heroku, jQuery, JSON, MVC Framework, Mapbox GL JS, MongoDB, Object Oriented Programming, PostgreSQL, SQL, Test Driven Development, Webpack

## Projects

### Brewer

[github](#) | [junnac-brewer.herokuapp.com](http://junnac-brewer.herokuapp.com)

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

*Fullstack content platform that connects craft beer enthusiasts through a forum and top brewery travel guides.*

- Designed the application's CRUD features, database, models, controllers, redux store, and frontend components.
- Developed AJAX calls to connect with the backend to parse and render payload responses.
- 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.

### adAstra

[github](#) | [ad--astra.herokuapp.com](http://ad--astra.herokuapp.com)

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.

### BoopBlocks

[github](#) | [boopblocks.herokuapp.com](http://boopblocks.herokuapp.com)

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.

## Experience

**Software Engineer Apprentice** | January 2020 - current

App Academy · Part-Time

- Conduct rigorous technical screening for applicants, evaluating algorithmic skills in JavaScript, Python, and Ruby.
- Perform non-technical interviews to gauge applicants' cultural fit and alignment with App Academy values.

**Production Manager, Admissions Assistant, Audio/Visual Assistant** | October 2018 - April 2019

Boston Conservatory at Berklee | Departments: Concert Services, Admissions, Audio/Visual

- Cross-departmental, client-facing role built from 4 years of student work experience.
- Designed wireframes and logistical plans to improve team efficiency and build communication for 400+ concerts.
- Managed 1200+ applicant auditions and faculty feedback records in Salesforce.
- Mastered AV equipment with little to no instruction to produce 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 and navigate conference information.
- 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 on full stack web development (Ruby on Rails, JavaScript, React/Redux, MERN).

**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