

# Joanna Chen

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## Skills

Ruby, JavaScript, HTML5, CSS3, React, Redux, Ruby on Rails, Node.js, Express.js  
D3.js, Git, Heroku, Jira, jQuery, NoSQL (MongoDB), RDBMS (PostgreSQL), REST APIs

## Experience

**Curriculum Developer** · March 2020 - present

App Academy

- Utilize agile processes to develop App Academy's curriculum through cohesive learning objectives and lessons.
- Conduct thorough code reviews of curriculum content and documentation created by fellow developers.
- Resolve curriculum issues with Jira ticket management and CI/CD support with GitHub and CircleCI.

**Software Engineer Apprentice** · January 2020 - March 2020

App Academy

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

**Production Manager** · May 2018 - April 2019

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

- Custom staff role due to 4-years of experience as an essential, cross-departmental student employee.
- Solved logistics problems thoroughly and quickly in high-pressure, client-facing concerts and events.
- Improved team efficiency and communication practice by designing wireframes and logistics plans for 400+ concerts.
- Trained and supervised a team of 30+ student employees to maintain professional concert services standards.

## Projects

**Brewer** · Ruby on Rails, PostgreSQL, React / Redux, Mapbox API, Yelp REST API

github · live

*Full stack application that connects craft beer enthusiasts through a forum, top brewery travel guides, and brewery search.*

- Autonomously developed and designed the database schema, web API, and frontend application.
- Utilized Mapbox API and implemented a map with markers through database fetches of brewery and city locations.
- Stored images on cloud with AWS S3 and Rails Active Storage to reduce server load and allow the app to scale.

**adAstra** · Node.js, Express.js, MongoDB, React / Redux, Mapbox API

github · live

*Event planning application for the stargazing community to connect and geolocate the best sites for stargazing events.*

- Collaborated in a team of developers with sprint planning, daily standups, and Git workflow.
- Designed a dynamic web page and interactive effects to render an animated website and forum with intuitive UX.
- Developed filter logic integrated with Mapbox GL JS geolocation to map constellations locations on Earth.

**BoopBlocks** · JavaScript, D3.js, Web Audio API

github · live

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

- Utilized D3.js to create dynamic SVG elements and allow users to interactively generate sound with Web Audio API.
- Implemented logic with JavaScript to initiate sound and animate graphic representation of polyrhythms.

## Education

**App Academy** · August 2019 - December 2019

Immersive full-time software development program on computer science fundamentals and full stack development.

**Boston Conservatory at Berklee** · August 2014 - May 2018

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

## Volunteer

**Production & Media Manager** · April 2020 - present

scmarimba.org

Southern California Marimba

- Coordinate logistic plans for concerts and events (stage management, technology, cartage).
- Use Google Analytics to monitor and optimize website performance.
- Produce and manage digital media assets.