

# Nathan Chau

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San Francisco, CA

[Portfolio](#)

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## Skills

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, PostgreSQL, Webpack, jQuery, Git, Heroku

## Projects

**Facebawk** (JavaScript, React, Ruby on Rails, PostgreSQL, CSS3, HTML5, AWS, Heroku)

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

*Facebawk is a full stack clone of Facebook, with fully functional friending, posts, comments, and likes*

- Conditionally kept track of components to render in react state to avoid excessive re-routing of components being called.
- Created custom actions in Rails' Action Controller in order to create 'mirror' rows in the friendship table for each friendship created. This allowed for faster look-up speed when querying for friendships.
- Utilized Redux store in order to save data fetched from back end to the front end, and avoid excessive requests for data that had already recently been requested.

**Schopenhauer** (Javascript, React, CSS3, HTML5, Canvas API, MongoDB, Express.js, AWS, Heroku)

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

*Schopenhauer is a full-stack web app for users to create and share music visualizers for their favorite songs*

- Constructed music visualizers by connecting handles from our self-made particle system to frequency/beat/amplitude data extracted from music
- Designed a visualizer template component that could take desired settings as input from a plain Javascript object. This template was reused throughout the app and kept code DRY.
- Designed user profile page, featuring visualizer thumbnails, with React and Javascript. Passed additional props to template mentioned above, which caused visualizers to play on-hover.

## Experience

**Data Analyst** | November 2019 - July 2020

Regional Task Force on the Homeless in San Diego

- Single-handedly constructed all queries for an updated version of the By Name List - a system for prioritizing homeless clients and matching them with housing - using Looker data analytics software. This system matched 100+ homeless clients with housing or shelter opportunities.
- Provided technical support to users of San Diego's HMIS (Homeless Management Information System). Responded to 20-30 tickets a day on Zendesk, with 99% positive feedback.
- Responsible for creating news updates, events, and new user accounts on RTFH Wordpress website, the organization's platform for sharing data, and the first point of contact for homeless clients.

**Learning Applications Developer Intern** | July 2019 - September 2019

Becton Dickinson

- Worked closely with UI/UX designers and eLearning team to improve the user experience of BD's front facing learning management system..
- Designed and created a tutorial overlay, using Javascript and HTML, to help first-time users become accustomed to LMS features and navigation. All-around positive feedback from users during initial user tests.

## Education

**App Academy** | Fall 2020 | San Francisco, CA

Immersive software development course with focus on full stack web development

**University of California, San Diego** | Spring 2019 | La Jolla, CA

BS of Cognitive Science with a specialization in Human Computer Interaction