

# Daniel Chau

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San Jose, CA

[Portfolio](#)

[LinkedIn](#)

[GitHub](#)

## Skills

React, Redux, JavaScript, Ruby, Ruby on Rails, HTML, CSS, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Amazon Web Services (AWS), Webpack, jQuery, Git, Heroku

## Projects

### Not So Deviant Art

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

Ruby on Rails , React , JavaScript , AWS , PostgreSQL , CSS3 , SCSS , Webpack , Babel , Heroku

*Creative work outlet for artists to share and interact with other artists to share their passion. Inspired from deviantArt.com*

- Built a custom back and front end user authentication using Rails controller to manage the session state and Bcrypt to securely hash the password allowing users to safely login and logout
- Incorporated React-Redux container and Redux selector patterns to architect highly scalable and uni-directional front-end state management allowing stable adaptive component construction
- Implemented a "favorites" feature enabling logged-in users to save previous interested artworks through a Rails join table of the user's ID and deviation ID into one page enhancing usability and user enjoyment

### BLOX beat

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

MongoDB , Mongoose , Express.js , JavaScript , React , Axiom , Regex , Node.js , Bootstrap , Heroku , Webpack

*Fluid, intuitive 8-bit beat-maker that allows users of all musical aptitudes to enjoy and share their tracks*

- Constructed a protected frontend route that allows users to create, delete, and edit comments using React to check for a current user to authorize access to comment actions or redirect to login encouraging interaction between content creators and viewers
- Designed a search feature that pulls results from multiple tables using Express.js to send a query and Mongoose plus Regex to allow users to filter results by category without additional queries to the database
- Executed solid Git workflow consisting of a diverse team of 4 engineers culminating highly-efficient productivity and resulting in a fully-functioning Full-Stack application within a 10-day period

### Type And Beats

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

Javascript , HTML5 , CSS3 , Google Firebase

*Interactive speed-typing game utilizing varying difficulties and time conditions to promote typing proficiency*

- Appended an animated, decrementing time-bar synced with time left per word employing Javascript's built-in setTimeout function to handle all time-bar logic in real-time to assist user's awareness of time
- Applied a reactive and responsive scoreboard using Google Firebase as a light, easy-to-deploy database to cache achievements which encourage user replayability and competitiveness

## Experience

Aquatic Adaptive Fitness Instructor | November 2017 - March 2020

Timpany Center

- Taught and facilitated a class of 10-15 diverse participants with various mobility-limitations/disabilities promoting increased strength, flexibility, and balance
- Adapted teaching methods using more personalized techniques resulting in increased class attendance and registration average from 5 to 12 participants in three months
- Contributed to a research study yielding healthier strength, flexibility, and balance in older adults (60 and up)

## Education

App Academy | April 2020 | San Francisco, CA

Immersive software development course with focus on full stack web development, Ranked number one in the nation.

San Jose State University | Fall 2017 | San Jose, CA

College of Applied Sciences and Art: BA of Kinesiology (IPAC)