

# Connor Brabant

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[Github](#)

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[Portfolio](#)

## SKILLS

React, Redux, Ruby, Ruby on Rails, JavaScript, HTML, CSS, SQL, MongoDB, Mongoose, Express.js, Node.js, Python, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, AWS, d3.js

## PROJECTS

**Ludicrous** (React, Redux, Ruby on Rails, PostgreSQL)

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

*Single page web app clone of the website Genius for jokes*

- Implemented Rails' polymorphic associations for likes and comments to require the use of only one controller per feature, effectively eliminating repeating code
- Orchestrated a custom user authentication system through BCrypt, Rails' validations and React-Router to allow login persistence and route authorization
- Normalized Redux state to increase the efficiency of front-end storage by reducing amount of data necessary to achieve CRUD functionality of annotations by 50%

**Deception** (MongoDB, Express, React, Node)

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

*Online multiplayer implementation of the social deduction game Deception*

- Collaborated with a team of three other software engineers where I worked on backend branches, pulling and pushing requests in order to merge with master branch and avoid merge conflicts
- Harnessed Socket.io library to update each player's screen when a player interacted with a DOM element, allowing multiple players to play simultaneously with one another
- Created custom express routes to fetch data from multiple MongoDB collections in order to reduce amount of database queries required

**GOAT** (JavaScript)

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

*Data visualization of Michael Jordan's career*

- Leveraged D3.js library to create dynamic bar and line graphs, displaying Michael Jordan's performance over time and compare it to other players
- Employed CSS3 flexbox in tandem with D3's SVG components in order to initialize an interactive experience where users can easily access an ample amount of information
- Incorporated vanilla JavaScript methods and event handlers within HTML elements to directly manipulate the DOM in order to update graphs' data and axes based on user input

## EXPERIENCE

### Technical Instructor

App Academy

Nov 2020 - Current

- Conduct office hours and daily pair programming sessions for code review to solidify students' understanding of JavaScript
- Host lectures six times a week to introduce prospective software engineers to computer science topics like HTML, CSS, Git, and Boolean Algebra
- Analyze student assessments to debug code and correct syntax, reflecting software engineering best practices and approaches
- Collaborate with Web Development Program Manager to enhance programming lectures to further student comprehension

## EDUCATION

**Web Development** - App Academy

Jan 2020 - May 2020

1000+ hour web development program with 3% acceptance rate

**BS in Biology** - Binghamton University

Sept 2014 - June 2018

*Relevant Coursework:* Computer Science 101, Computer Science 110