

Travis Tillotson

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SKILLS Ruby, Rails, Javascript, jQuery, ReactJS, Redux, HTML, CSS, SQL, git, TDD, OOP

Projects

SHALLOW (Keras, TensorflowJS, ReactJS) | *Contributor*

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

Convolutional Neural Network Model capable of distinguishing between authentic and fake images using Keras, Python, TensorflowJS, and ReactJS.

- Utilized Keras' library and API to build a model on top of a highly effective neural network.
- Applied data collection and processing concepts to produce four separate datasets for model training, to prevent overfitting, which resulted in 99% accuracy.
- Integrated ReactJS, TensorflowJS and OpenCV.js to enable users to access the model without the hassle of downloading other programs.

TIPTOPTOMES (Rails, ReactJS, Redux) | *Sole Developer*

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

A GoodReads clone utilizing Ruby on Rails with React/Redux to allow users to rate/review books.

- Incorporated ActiveRecord object lifecycle callbacks and bi-directional associations for model validation and dependent-membership destruction.
- Leveraged ActiveRecord and Jbuilder to optimize database queries by passing the information in from the controller, preventing N + 1 queries.
- Designed higher-order React components such as form, index, and review containers to compartmentalize functionality and keep code DRY.
- Displayed individualized content developed from a user's site history using Redux's architecture.

COLOR FLOOD (HTML5, JavaScript) | *Sole Developer*

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

A perfect information strategy game using HTML5, and JavaScript.

- Synchronized a virtual and visual game board, allowing for a visually appealing cascading effect for board flooding independent from win-logic.
- Leveraged Javascript's innate DOM manipulation to create, update and render all game processes.
- Took advantage of modularly structured code to reuse methods creating DOM structures and easily wipe the slate for new games, keeping the app DRY and readable.

EXPERIENCE

Software Engineer Intern

AppAcademy

May 2018 - Present

- Lead technical and non-technical interviews with prospective students, assessing algorithmic aptitude in a variety of programming languages including Ruby, Python, Javascript and Java.
- Teach Ruby and problem-solving strategies to more than 40 applicants, with office hours for tailored assistance.

Admin Assistant I

IQVIA

July 2016 - Feb 2018

- Developed responsive Excel forms using a single source of truth for employee tracking, reducing task workload by 80%.
- Facilitated office projects such as an office buildout, SOP updates, AP tracking, HIPAA compliance, and emergency response protocols.
- Processed accounts payable for development teams in excess of 3 million USD per year.

EDUCATION

Software Development - App Academy (Spring 2018)

BA Psychology - San Francisco State University, GPA (3.86), (May 2015)