REBECCA WEIR

Software Engineer

CONTACT DETAILS

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SKILLS

Ruby - Ruby on Rail - RSpec - JavaScript - jQuery - JBuilder - React - Redux
SQL - Git - HTML5 - CSS3

PROJECTS

The Collective

(React/Redux, Rails 5, Paperclip) mycollectivespace.com | https://github.com/rweir4/TheCollective

- Implemented paperclip and AWS for image storage and retrieval
- Used JBuilder to format data from the backend and AJAX to send data for four react components; updated the normalized state accordingly via thunk action creators and reducers

The Floor is Lava

(Vanilla Javascript, HTML5/Canvas, CSS3)
https://rweir4.github.io/TheFloorIsLava/ | https://github.com/rweir4/TheFloorIsLava

- Created a platform jumper game that listens for different key events, implements projectile motion, and changes the rendering accordingly.

jQueryLife

(Vanilla Javascript, React/Redux, HTML5/CSS3)
https://rweir4.github.io/jQueryLifeDemo/ | https://github.com/rweir4/jqueryLife

- Built a jQuery library using vanilla javascript that creates and manipulates DOM Node Collections.
- Created demo that uses jQueryLife to send and receive AJAX request with Giphy API to create a gif generator

EXPERIENCE

Systems Engineering Intern, Ministry Brands | Sept 2017 - Dec 2017

- Developed Powershell Scripts that acquired email account information from third-party APIs
- Created and managed a SQL database for a company-wide email migration

Researcher, University of Tennessee, Knoxville / Oak Ridge National Laboratory | May 2015 - Aug 2017

- Modeled and performed molecular dynamics simulations of IGF-1 protein receptor using Molecular Operating Environment, a program based on SVL (Scientific Vector Language).

EDUCATION

AppAcademy | 2017 - 2018
1,000 hour Full-Stack Development School with acceptance rate of 2%.

University of Tennessee, Knoxville | 2012 - 2016
BS, Biochemistry and Cellular and Molecular Biology, French and Francophone Studies Minor

Universite de Savoie | 2014
Level B2 French Language Certificate

PUBLICATION

He H, Weir RL, Toutounchian JJ, Pagadala J, Steinle JJ, Baudry J, et al. (2017) The quinic acid derivative KZ-41 prevents glucose-induced caspase-3 activation in retinal endothelial cells through an IGF-1 receptor dependent mechanism. PLoS ONE 12(8): e0180808. https://doi.org/10.1371/journal.pone.0180808