# REBECCA WEIR

*Software Engineer*

## CONTACT DETAILS

865-719-7773
rebeccaweir12@gmail.com
https://rweir4.github.io
New York, NY

**LinkedIn**:
https://www.linkedin.com/in/rebecca-weir-67481771/
**Github**:
https://github.com/rweir4

## 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