

# Jonathan Lofton

Full stack Software Engineer

[Github](#) | [Linkedin](#) | [Portfolio](#)

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**Technical Skills:** JavaScript, React, React Native, Redux, Ruby, Rails, HTML, CSS, Git, and SQL

## Projects

### CityImpact

[Website](#) | [Github](#)

A mobile application created to connect people with their local communities and organize events using React Native, Redux, MongoDB, Node / Express

- Used Google Maps API for users to create events in their local areas and have other users join them
- Grabbed Lat / Long values from map presses and converted to physical address through React Native Geocoding
- Utilized Passport.js to login users via Google and Facebook accounts

### Drift

[Live](#) | [Github](#)

A single page music streaming app using React, Redux, Ruby on Rails, and SQL

- Utilized React / Redux to provide continuous audio play while navigating site
- Created a custom user interface providing a smooth and effortless user experience
- Uses a Rails RESTful API

### VaporKeys

[Live](#) | [Github](#)

An interactive electronic keyboard emulator built with Javascript

- Utilized the Web Audio Api to create audio visualizations for each key press

## Experience

### Research Assistant | *University of Washington*

JAN 2016 - MAY 2017

- Researched potential chemical causes for pre-spawn mortality in Coho Salmon migrating through urban watersheds
- Secured funding through collaborating with research scientists in experimental design, data collection, and data analysis
- Trained interns in general laboratory problem solving and laboratory best practices

### Research Intern | *University of Washington*

JUN 2015 - JAN 2016

- Developed and optimized analytical methods for tissue extractions reducing interference produced by lipids substantially
- Presented research findings to collaborators from Washington State University and the University of Washington

## Education

### University of South Florida | *B.A. Chemistry*

2015

- 3.5 GPA