

ALAN URAZ

Software Developer

9 Greene Ave., Apartment 2, Brooklyn, NY 11238 || 707-843-6547 || alanuraz@gmail.com

www.alanuraz.com  www.github.com/aloonballoon  <https://www.linkedin.com/in/alanuraz/>

PROJECTS

SofaSkipping (React.js/Redux, Ruby on Rails)

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

A single-page hospitality and social-networking site inspired by [CouchSurfing](#)

- Utilises Autocomplete by Google Places API to render locations worldwide, as well as seeding locations into the database, resulting in increased location specificity and faster subsequent AJAX requests
- Allows users to dynamically update travel plans, write reviews and messages, and render worldwide locations, without page refresh lag allowed by React and Redux front-end architecture
- Integrates Amazon Web Services (AWS) cloud-storage to host user photos, minimizing local server load and allowing site to scale

FuzzBall (JavaScript, HTML5 Canvas)

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

Browser-based game inspired by [JezzBall](#)

- Incorporates HTML5 canvas for dynamic and fluid animation and continuous collision detection
- Breadth-First Search (BFS) algorithm to determine and calculate polygonal areas unoccupied by balls
- Realistic physics engine to resolve ball collisions, imparting correct direction and velocity to each ball

SKILLS

- Programming Skills: React, Redux, JavaScript, jQuery, Ruby on Rails, Ruby, SQL, AWS, HTML, CSS, Git

EXPERIENCE

Trevi Systems, Inc. - Petaluma, California

2014-2018

Senior Field Service Engineer

Head of commissioning and operations for both international and domestic sea water desalination

- Oversaw and completed six full-time projects, delivering successful products to clients on-time
- Lead teams of 2-5 field service engineers through all commissioning and operational steps
- Extensive experience troubleshooting electrical, process, and mechanical problems, reducing operational downtime

EDUCATION

App Academy

May-August 2018

- Intensive, 1000 hour programming bootcamp with <3% acceptance rate teaching React, Redux, Ruby on Rails, SQL, JavaScript, algorithms, TDD, design patterns, and many other web fundamentals

University of California, Berkeley

2013-2014

- M.S. Chemical Engineering, G.P.A. 3.75

University of California, Santa Cruz

2007-2011

- B.S. Molecular Biology, Astrophysics Minor, G.P.A 3.69
Cum Laude, Honors in the Major