

ALAN URAZ

software developer and chemical engineer

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EDUCATION

App Academy

Programming bootcamp

May-August 2018

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

UC Berkeley

M.S. Chemical Engineering

2013-2014

gpa: 3.75/4.0

coursework: reaction kinetics, mass transport, thermodynamics, environmental engineering

UC Santa Cruz

B.S. Molecular Biology

Minor Astrophysics

2007-2011

gpa: 3.69/4.0

coursework: advanced organic chemistry, stellar astrophysics, neuroscience, biochemistry

honors: Cum Laude, Honors in the Major

SKILLS

Software

• React • Redux • Ruby on Rails • JavaScript • Ruby • jQuery • HTML • CSS
• SQL • AWS • TDD • Jasmine • Mocha • RSpec • Jest • Git • OOP

PROJECTS

SofaSkipping

React.js/Redux,

Ruby on Rails

Summer 2018

Single-page hospitality and social networking site inspired by CouchSurfing.

• Integrates Amazon Web Services (AWS) PaaS cloud-storage to host user photos, minimizing local server load and allowing site to scale. • Custom back-end authentication using password hashing encryption and user session tokens/cookies.

FuzzBall

JavaScript, HTML 5 Canvas

Summer 2018

Browser-based game inspired by Windows 95 game JezzBall.

• Create Breadth-First Search (BFS) algorithm to determine unoccupied polygonal areas on a nodal linked-list grid plane. • Realistic physics engine to resolve two-dimensional collisions, imparting correct direction and velocity to each body

EXPERIENCE

Programming Instructor

App Academy

2018-present/ NYC

Teaching fundamentals of JavaScript, providing one-on-one mentorship, and conducting code reviews

Trevi Systems, Inc.

Senior Field

Applications Engineer

2014-2018 / Petaluma, CA

Head of commissioning and operations for both international and domestic sea water desalination projects. • Spearheaded construction, commissioning, operation, management of the largest polymer-based forward osmosis desalination plant in the world. • Slashed production timeline by 30% to meet customer requirements by identifying operation bottlenecks, increasing productivity, and rewriting engineering schedules. • Managed a team of 2-6 field engineers and cross collaborated with multiple groups including finance, design, and management teams to facilitate seamless completion and operations of project