

Daniel Ng

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[Portfolio](#) • [LinkedIn](#) • [GitHub](#)

SKILLS

Ruby • Rails • Backbone • JavaScript • jQuery • React • Redux • Python • HTML • CSS • SQL • Git

PROJECTS

Better Board

[Live Link](#) • [GitHub](#)

A job board that aggregates job postings to help you manage and organize your search.

- Single-page app built in React, Redux, and ES6. Transpiled using Babel and Webpack.
- Aggregates data from 4 websites using a combination of external APIs, RSS feeds, and web scrapers.
- Automatically updates database with job postings through hourly asynchronous Rake tasks.
- Features Google sign in and a quick, full text search engine implemented with Elasticsearch.

Goodtravels

[Live Link](#) • [GitHub](#)

Social media website for finding and reviewing travel activities. Inspired by Goodreads.

- Single-page Backbone app built on a RESTful Rails architecture.
- Features the ability to rate activities using jQuery Raty, and find its location using Google Maps API.
- Utilizes Twitter's typeahead to dynamically suggest matching activities and users while searching.

Pac Man

[Live Link](#) • [GitHub](#)

Browser version of the iconic arcade game. Built with Phaser, a HTML5 game framework.

- Maps sprites with corresponding JSON values to draw walls, movable spaces, and dots on the board
- Ghost AI keeps track of all possible valid moves and randomly selects a new direction.

EDUCATION

App Academy

San Francisco, CA

Immersive web development program with < 5% acceptance rate

April 2015 – July 2015

Covers full-stack web development including advanced topics such as algorithms and data structures, scalability, TDD, security, version control, and authentication

University of California, San Diego

La Jolla, CA

B.S. Management Science, Mathematics Minor

September 2009 – December 2013

Overall GPA: 3.24

Related Coursework: Applied Linear Algebra, Game Theory, Mathematical Statistics, Financial Time Series (Independent Research Study), Mathematical Reasoning, Introduction to Cryptography

WORK EXPERIENCE

Lincoln Property Company

Irvine, CA

Business Intelligence Analyst

June 2014 – September 2014

- Validated financial reports in QlikView using SQL to ensure that data was modeled correctly.
- Optimized QlikView application for more efficient performance and visualization rendering.

General Forensics

San Diego, CA

Data Science Intern

November 2013 – January 2014

- Analyzed attributes of borrowers correlated with defaults rates in car lending data using Python.
- Wrote Python program to decode car VIN numbers to both augment and validate given car data.
- Scraped car data from Edmunds website to help sort over 100,000 entries into 10 vehicle classes.