Daniel Ng

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Portfolio • **LinkedIn** • **GitHub**

SKILLS

Ruby · Rails · Backbone · JavaScript · jQuery · Python · HTML · CSS · SQL · git · RSpec · React

PROJECTS

Goodtravels Live Link · GitHub
Social media website for finding and reviewing travel activities. Inspired by Goodreads.

- Single-page Backbone.js 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.

- Pac-man and ghosts move around the board with appropriate sounds and animations.
- Ghost AI keeps track of all possible valid moves and randomly selects a new direction.

Chess GitHub
CLI game built in Ruby.

- Kept code DRY by extracting common sliding (Queen, Rook, Bishop) and jumping (Knight, King) logic into modules which were mixed into Piece classes.
- Players can select and move pieces across the board using keyboard.

EDUCATION

App Academy San Francisco, CA
Full-stack web development course (acceptance rate < 5%) April 2015 – July 2015

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.
- Created 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.