Peter Benavides

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PROJECTS

GameUp *(Rails, Backbone)* | live | github
Board game group organizing site based on Meetup.com.
- ❖ Queries Google Maps API to integrate real location data.
- ❖ Search engine powered using polymorphic tags association shared between users, groups and interest categories.
- ❖ API executes custom SQL queries depending on request parameters.

Cellular Pattern Generator *(Javascript, HTML5)* | live | github
Simulation made with Javascript, jQuery, and Canvas based on John Conway's Game of Life.
- ❖ Features include zoom, frame rate adjustment, and preset patterns, using jQuery for user UI interaction and Javascript for game logic.
- ❖ Flexible cursor-dragging to generate squares during simulation run-time.

Rails Lite *(Ruby, SQL)* live | github
MVC Web Application framework inspired by Ruby on Rails.
- ❖ Allows for concise, yet powerful syntax for database-querying and view generation.
- ❖ Implemented using base classes for canonical MVC components which allow for easy extension and customization.

SKILLS

Ruby, Rails, Javascript, jQuery, Backbone, HTML, CSS, SQL, git, RSpec, MATLAB

EXPERIENCE

Physics and Calculus Tutor - *AJ Tutoring (2014 - 2015)*
- ❖ Tutored 25-30 high school and college level physics and calculus.
- ❖ Scheduled with students for weekly sessions, covering both test-prep and course-related material.
- ❖ Improved class grades for all students, with 95% finishing their courses with A's.

Embedded MySQL Account Manager - *Oracle Corporation (2013-2014)*
- ❖ Managed over 30 corporate accounts for MySQL OEM partners. Generated, delivered, and negotiated licensing contracts for embedded or hosted MySQL worth between $10,000 and $100,000.
- ❖ Achieved over 135% of quota

EDUCATION

Web Development - *App Academy (Summer 2015)*
- ❖ Twelve week intensive coding bootcamp, with a focus on web development methodologies and implementation.

BSE Biomedical Engineering - *Duke University (2009 - 2013)*
- ❖ GPA 3.4
- ❖ Specialized in electrophysiology and neural networks. Simulated simple neural networks with and without plasticity.
- ❖ Simulated and analyzed gene circuits for simple genetic systems using MATLAB