Matt Piercy

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Projects

CodeBytes · Live · GitHub Repo
Coding tutorial app built on Rails and Backbone.js, inspired by Codecademy.
- Utilizes lightweight, client-side multi-language interpreter to provide users with a browser IDE and terminal.
- Evaluates user results against exercise solutions using custom Rails route and provides immediate feedback.
- Consumes RESTful JSON API to track user progress and award badges for course completions.

Snake · Live · GitHub Repo
Javascript replica of the classic game
- Animates snake motion through jQuery manipulation of page elements.
- Installs a browser cookie to keep track of local high scores.

RubyWeb · GitHub Repo
A lite MVC web framework implemented in Ruby
- Provides ControllerBase class which allows users to redirect, render, store cookies, and flash messages.
- Offers CSRF protection by using authenticity tokens to validate origin of requests.

Skills

Ruby · Rails · Javascript · jQuery · Backbone.js · HTML · CSS · SQL · git

Education

AppAcademy (Summer 2015)
- Intensive full-stack web development boot camp with <5% acceptance.
- Emphasis on good coding patterns and high code quality.

UC Berkeley (2009-2013)
B.A. Mathematics, B.A. Physics · GPA: 3.65
- **Curriculum Highlights**: Linear Algebra & Differential Equations, Logic, Circuits & Electronics, Data Analysis, Matlab & Labview Programming.

Experience

Private Tutor (2015)
Southern CA
- Increased student problem-solving and exam performance with individual instruction for a variety of college-level Math, Physics and Chemistry classes.

Lead Tutor (2011-2014)
UC Berkeley Residential Services
- Led the planning and facilitation of 6+ 3-hour review sessions per semester for undergraduate math courses.
- Managed staff of 13 math tutors placed in 6 campus locations.
- Conducted quarterly individual tutor evaluations to boost productivity.
- Took initiative to create a comprehensive set of training materials for successor and other future employees.