Paul Clemente Alvarez

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Projects

Loopdigger – (live || github)
A SoundCloud-inspired music community written in Ruby on Rails and Backbone.js.
- Asynchronous JavaScript allows for a seamless, single-page browsing experience.
- Uploads are stored on Amazon's S3 servers.

Bouncycastleroids – (live || github)
A browser port of the arcade classic with bouncy castle physics.
- Vector math/algebra handled by JavaScript.
- JavaScript renders the results onto an HTML5 canvas element.

Rails Lite – (github)
An exercise in rewriting the essential features of Ruby on Rails.
- Serves HTML; can be static or dynamically generated with ERB templates.
- Uses regex pattern matching to route requests.

Skills

Ruby, Ruby on Rails, JavaScript, Backbone.js, MongoDB, Express.js, AngularJS, Node.js, jQuery, PostgreSQL, HTML, CSS, Git, RSpec, TDD, pair programming, MATLAB

Education

App Academy
October 2014 – April 2015, New York, New York
- Studied principles and practice of effective web development in Ruby and JavaScript.
- Highly selective; less than 5% of applicants are accepted.

Rutgers – The State University of New Jersey
B.A. in Mathematics – October 2013, New Brunswick, NJ
- Advanced Calculus; Abstract Algebra; Linear Systems & Signals; C++

Experience

Network Engineer, Data Evolution, New York, NY, January 2014 – June 2014. I built office networks from the ground up by planning routes, running cables, and terminating at the server rack.

Undergraduate Researcher, Research Experience for Undergraduates 2013, Rutgers University, June – July 2013. I researched the application of statistical analysis to predicting failure rates of medical devices.