

Paul Clemente Alvarez

New York, NY || [Portfolio](#)
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Projects

Loopdigger – ([Live](#) || [Github](#))

A SoundCloud-inspired music community written in Ruby on Rails and Backbone.js

- Asynchronous JavaScript for a seamless, single-page browsing experience
- Uploads stored on Amazon's S3 servers

Bouncycastleroids – ([Live](#) || [Github](#))

A browser port of the arcade classic with bouncy castle physics

- Vector math/algebra to calculate object movement and collisions
- JavaScript renders the results onto an HTML5 canvas element

Rails Lite – ([Github](#))

A web server framework inspired by 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, Clojure

Education

App Academy, New York, NY

October 2014 – April 2015

- Web development in Ruby and JavaScript, focused on industry best practices
- Highly selective; less than 5% of applicants are accepted

Rutgers University, New Brunswick, NJ

October 2013

- B.A. in Mathematics; 3.83 GPA
- Advanced Calculus; Abstract Algebra; Linear Systems & Signals; C++

Experience

Freelance Software Developer, Context Matters, New York, NY

June 2015 - Present

- Write object-oriented web scrapers in Ruby

Network Engineer, Data Evolution, New York, NY

January 2014 – June 2014

- Planned and built office networks from the ground up
- Left to pursue an education in software/web development

Undergraduate Researcher, Rutgers University

June – July 2013

- Researched failure rates of medical devices through clustering analysis