Jorge MEDRANO

PERSONAL INFO

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RECENT PROJECTS

Roof | A Room Rental for Dogs Live GitHub
Built using RUBY ON RAILS, uses BACKBONE.JS views which are appended in different HTML elements of a classic rails view. Uses Mapbox.js and Geocoder to localize room. Users can search available rooms by location and date. Users can request on the fly using JQUERY UJS. Automatically reserves room and rejects overlapping requests upon acceptance of a request. Design and style hand-made using only CSS

CHECKERS | Multiplayer Game of Checkers in The Terminal GitHub
Classic rules of the game implemented in Ruby, with clear and organized *Object Oriented Design*

ASTEROIDS | Asteroids Game in JAVASCRIPT Live GitHub
Classic asteroids game built using JAVASCRIPT and *Object Oriented Design*. Calculates object velocities using trigonometric functions.

EDUCATION

SEPTEMBER 2013 | B.S in PHYSICS
National University of Colombia, 3,9/5 GPA
28 Credits of Graduate Courses, 4,3/5 GPA

RELEVANT COURSES

PROGRAMMING AND NUMERICAL METHODS | January-June 2009
Programming in C++, learned different numerical methods and algorithms designed to solve mathematical problems.

PROGRAMMING(JAVA) | Summer 2011
Object-Oriented Programming with Java

COMPUTATIONAL ELECTROMAGNETISM | Graduate Course 2011
Effective numerical methods and algorithms oriented to solve electromagnetism problems. As a final project I simulated the dispersion of a Transverse Magnetic Wave entering a PEC, Reused and customized Fortran code written by A.E. Peterson in 1986, Generated surface data in C++.

SKILLS

RUBY, RUBY ON RAILS, SQL, HTML, CSS, BACKBONE.JS, JQUERY, AJAX, JAVASCRIPT, RSPEC, TDD, Git.