

# Jorge MEDRANO

## PERSONAL DATA

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## RECENT PROJECTS

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Roof	<b>A Room Rental for Dogs</b> <a href="#">Live GitHub</a> Built using RUBY ON RAILS, uses BACKBONEJS views which are appended in different elements of a classic rails view. Uses Mapbox.js and Geocoder to localize a room, makes a search verifying location and dates availability. The User can make a request on the fly using JQUERY UJS, When an user accepts a request, automatically reserve the dates of the room and eliminate any overlapping request, own design and style made by "hand" using only Css
CHECKERS	<b>Multiplayer Game of Checkers in The Terminal</b> <a href="#">GitHub</a> Classics Rules of the game implemented using the Ruby Language, with clear and organized <i>Object Oriented Design</i>
ASTEROIDS	<b>Asteroids Game in JAVASCRIPT</b> <a href="#">Live GitHub</a> Classic Asteroids Game built using JAVASCRIPT and <i>Object Oriented Design</i> . Calculates object velocities using trigonometric functions.

## EDUCATION

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

## RELEVANT COURSES

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PROGRAMMING AND NUMERICAL METHODS	<b>Janury-June 2009</b> Programming in C++, learned different numerical methods and algorithms designed to solve mathematical problems.
PROGRAMMING(JAVA)	<b>Summer 2011</b> Object-Oriented Programming with Java
COMPUTATIONAL ELECTROMAGNETISM	<b>Graduate Course 2011</b> 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

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RUBY, RUBY ON RAILS, SQL, HTML, CSS, BACKBONEJS, JQUERY, AJAX, JAVASCRIPT, RSPEC, JBUILDER, TDD