

Ismael Olea

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PROJECTS

Rails-Built Blogging App · [github](https://github.com) *Back End Engineering*

- Created Bootstrapped-styled, Heroku-deployed CRUD blogging app that lets users create an account, submit and read other's articles.
- Many-to-Many associations connect users to articles, administrators to user and users to users
- Contains Unit Tests at the model level, Functional Tests at the controller level and Integration Testing for the complete workflow of the app

Fun Hockey · [github](https://github.com) · *Front End Engineering*

- Devised classic air hockey game built and rendered smoothly with vanilla JS and HTML5's Canvas.
- Utilizes simulated physics and vector algebra to control behavior of puck-mallet collisions and interactions against an AI player.

React Timer/StopWatch · [github](https://github.com) · *Front End Engineering*

- Built Foundation-Styled, Single-Page Timer and Stopwatch App with the React Front End Framework.
- Integrates Functional Testing using the Karma, Karma-Mocha and Express modules

Technologies (Scale: 1 - 10)

Ruby: 8 · Ruby on Rails: 7 · JavaScript: 9 · jQuery: 7 · React: 7 · SQL: 6 · git: 7 · HTML: 7 · CSS: 5

EDUCATION

App Academy

Full-stack Web Development Course

San Francisco, CA · Oct. 2015 - Jan. 2016

- 1000-hour full-stack software development course emphasizing: TDD, OOP, single-page apps, web development best practices, security, REST, algorithms

Massachusetts Institute of Technology

Sloan School of Management BS · Management Science

Cambridge, Massachusetts · 2011

- Curriculum Highlights: Multivariable Calculus, Linear Algebra, Differential Equations, Probabilistic Systems Analysis & Applied Probability, Statistical Thinking and Data Analysis

EXPERIENCE & INTERESTS

Mendocino Community Health Clinic

Financial Analyst

Ukiah, CA · Apr. 2014 - Apr. 2015

- Created dozens of VBA Excel macros to increase output and efficiency of colleagues
- Quantified and processed reams of data with the Abila/MIP Accounting Software

Macy's, Inc.

R.F.I.D / Administrative Support Team (AST) Associate

Corte Madera, CA · Jul. - Dec. 2013

- Formed an integral part of the Merchandising Support that successfully carried out daily, weekly and monthly responsibilities pertaining to a well-functioning department store