

OSCAR GARCIA

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SKILLS



PROJECTS

ZEPHYRNOTE

NOTE-TAKING/ORGANIZATION APP INSPIRED BY EVERNOTE – [LIVE](#) | [GITHUB](#)

- Single Page Application: Rails back-end with a restful API serving JSON to a Backbone.js front-end
- Responsively-designed: uses media queries to change layout based on screen width
- Custom authentication system using BCrypt with password digests being saved to the database
- Composite subviews pattern for child views in Backbone
- Dynamic tag search with results instantly displayed on keypress.

RELOJ

LIGHTWEIGHT WEB FRAMEWORK FOR CREATING DATABASE-BACKED WEB APPLICATIONS USING THE MVC PATTERN – [EXAMPLE APP](#) | [GITHUB](#)

- Uses meta-programming methods and active record pattern for object relational mapping
- Built-in convenience features such as model associations and generators
- Session storage for keeping track of session tokens and flash messages in an HTTP Cookie
- Takes advantage of Heroku environment variables to automatically configure database and run web server when deployed

ASTEROIDS

CANVAS/JAVASCRIPT (ES6) TRANPILED WITH BABEL AND WEBPACK – [LIVE](#) | [GITHUB](#)

- Maps cartesian coordinates to polar coordinates, accelerates and rotates ship by changing radial and angular coordinates
- Shares common MovingObject attributes and methods across several classes using ES6 class inheritance

EDUCATION

APP ACADEMY

2015

Immersive, full stack web development course with <3% acceptance rate. Curriculum covers full-stack web development, algorithms, pair-programming, version control, and coding best practices.

PONTIFICAL CATHOLIC UNIVERSITY OF RIO DE JANEIRO

2013-2014

Studied Brazilian Portuguese through an intensive language program. Awarded scholarships by The University of California as well as UCSB.

UC SANTA BARBARA

B.S., FINANCIAL MATHEMATICS AND STATISTICS
2009-2013

GPA: 3.52. Relevant coursework: Stochastic Processes (A), C Programming (B), Vector Calculus (B), Numerical Analysis (A), Linear Algebra (A).

WORK EXPERIENCE

IT CONSULTANT

2014-2015

Managed dozens of clients averaging 20+ employees in the Los Angeles Area. Solved SMB authentication problem that would have forced client to buy new equipment, and saved client thousands of dollars.

VOLUNTEER WORK

TREASURER/HEAD OF OUTREACH - LA ESCUELITA OF UCSB (EDUCATION NON-PROFIT)

2011-2013

Awarded UC Santa Barbara's Student Initiated Outreach Program of the Year Award for our Student-Parent Conference, a conference that teaches under-resourced students and their families how to apply to higher education and financial aid.