

Philip Larie

55 9th St. Apt 521 • San Francisco, California • 94103

CELL (603) 913 - 3476 • E-MAIL philiprlarie@gmail.com

Web Page www.philiprlarie.github.io • LinkedIn www.linkedin.com/in/philiprlarie

PROJECTS

MusicMastrMind (*Rails, Backbone*) | **live** | **github**

Song meanings website based on Rap Genius.

- ▶ Bootstraps user data on page load to avoid extra AJAX requests.
- ▶ Custom secure authentication using BCrypt. Passwords stored as secret hash instead of plain-text.
- ▶ Nested associations reduce server requests while pulling data from multiple database tables.

Blasteroids (*Javascript, HTML5*) | **live** | **github**

Asteroids game made with HTML5 Canvas.

- ▶ Sprite-based visual interface.
- ▶ Ship's fire function is throttled for realistic effect and added difficulty.

Rails Lite (*Ruby*) | **github**

Web application framework inspired by and featuring the core components of Rails.

- ▶ Controller base class provides core functionality to render html responses.
 - ▶ Programmer friendly interface for URL, query string, and request-body parameters.
 - ▶ Stores session as well as flash cookies.
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SKILLS

Ruby
HTML

Rails
CSS

JavaScript
SQL

jQuery
Git

Backbone.js
MATLAB

EXPERIENCE

Quantum Physics Research Group - *Dartmouth College* (Spring 2014 - Winter 2015)

- ▶ Matlab script to calculate computationally intensive integrations, uncovered mistakes in established work which opened new research paths.
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EDUCATION

Web Development - *App Academy* (Summer 2015)

- ▶ Immersive software development course with focus on web development and agile methodologies. Strong emphasis on code quality and design patterns.

BA Education - *Dartmouth College* (Fall 2011 - Spring 2015)

- ▶ Major with Engineering minor, Cum Laude, GPA 3.76
- ▶ Coursework Included: Statistical Methods in Engineering, Linear Algebra

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