

Projects

Herobook • [Live](#) • [GitHub](#)

Social networking site inspired by Facebook.

- Backbone.js app consuming RESTful JSON Rails API.
- Uses jBuilder to send essential custom data from Rails model associations.
- Overwrites Backbone.js parse method to organize and access the data from Backbone.js models.

Active Record Lite • [GitHub](#)

- Uses Ruby metaprogramming to clone Active Record's ORM features.
- Features mass assignment, querying, and association methods.

Asteroids • [Live](#) • [GitHub](#)

Classic from Atari rebuilt for the browser using JavaScript and HTML5 Canvas.

- Uses trigonometry and vector mathematics to determine asteroid, ship, and bullet movement.
- Features increasing level difficulty and shield ship protection.

Skills

Backbone.js, JavaScript, Ruby, Ruby on Rails, PHP, HTML, CSS, jQuery, SQL, git

Education

App Academy • New York, NY • January - April 2015

Full-stack web development course • acceptance rate < 5%

Dartmouth College • June 2014

BA • Mathematics

- **Curriculum Highlights:** Introduction to Computer Science (in Java), Introduction to Scientific Computing (in C), Computer Architecture

Experience

Jr. Web Developer • **Foresters Financial Services** • July 2015 - Present

- Refactor and improve legacy PHP code for main and internal-facing websites.
- Built daily task application in PHP currently in use by Systems Programming team. Used Silex, Symfony 2, JavaScript, jQuery, and HTML/CSS.
- Maintain and add daily content updates to main and internal-facing websites.

Independent Mathematics Tutor • June 2014 - January 2015

- Increased students' mathematics grades on average of at least one full letter grade and SAT performance by 300 points.

Educational Consultant • **Sino Elite Education** • March 2013 - January 2014

- Helped all 15 of my students gain admittance to top-50 colleges by advising their applications.