Jun Chen

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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, 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, Digital Electronics

Experience

Independent Mathematics Tutor · June 2014 - January 2015
- Increased students' mathematics grades on average of at least one full letter grade and SAT performance by 10%.

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.
- Raised one student's SAT scores from 1300 to 2000 through personalized tutoring and mentoring.