

# 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.