

Kyle Smith

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PROJECTS

Kyllo (Rails, Backbone) | [live](#) | [github](#)

Rebuilt Fog Creek's project management app, Trello.

- Single-page Backbone app consuming RESTful Rails JSON API.
- Mobile-responsive design, close reproduction of the original, to test my HTML/CSS knowledge.
- Uses Thoughtbot's recommended Backbone-on-Rails design patterns.
- Implements a custom CompositeView class so that data can easily be shared across parallel views.

Superbook (Rails, Backbone) | [live](#) | [github](#)

Built a pseudo-sports betting site, with game simulation capabilities.

- Another single-page Backbone app with RESTful backend architecture.
- Calculates team odds for both the underdog and the favorite, potential payout amounts, and generates a \$0 expected value simulation, all using one value from the database.
- Overrides Model#parse to create Rails-like associations in the client.

Big Tac Toe (JavaScript, jQueryUI) | [live](#) | [github](#)

Tic Tac Toe variation with nontrivial strategy.

- My take on an advanced extension to classic Tic Tac Toe. I stumbled upon the rules a few years back, and decided to build an online version once I acquired the requisite skills.
 - Play games within a game, with a set of rules to dictate which small boards are available during each turn, and win the big board to win the game.
 - Builds an object-oriented game of Big Tac Toe, binds it to a board representation in the DOM, and uses jQuery events to play moves.
 - Defines super classes of both Game and Board objects, which define methods for both the small and large versions of each to keep code DRY.
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SKILLS

Ruby, Rails, JavaScript, jQuery, Backbone, HTML, CSS, SQL, Git, Python (learning)

EDUCATION

Web Development

App Academy, Fall 2014

- Completed intensive web development bootcamp with <5% acceptance rate.

BS Mathematical Sciences

University of California, Santa Barbara, 2013. GPA: 3.3

- Curriculum highlights: CS Problem Solving, Numerical Analysis, Advanced Linear Algebra, Probability and Statistics, Combinatorics.
- Graduated after the Summer session in September, then spent the winter as a ski instructor in South Lake Tahoe

PORTFOLIO www.kylesmith.io • GITHUB [akam9865](#)

LINKEDIN [Kyle Smith](#) • ART [drawing sample](#)