

Ling Sarah Rosenstein

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Authorized to work in the USA

[Portfolio](#) | [LinkedIn](#) | [Github](#)

Projects

I_Love_DIY (Ruby on Rails, Backbone)

[Live](#) | [Github](#)

Platform for DIY enthusiasts to share creative experiences, inspired by Instructables.

- ❖ Custom authentication using BCrypt overrides User#password= method to encrypt password.
- ❖ Lightweight photo carousel implemented by toggling element classes.
- ❖ Uses custom route to upvote posts via Ajax requests.

MyChat (Node.js, jQuery)

[Live](#) | [Github](#)

Multi-room chat application built on a Node server using the Socket.io library.

- ❖ Leverages sockets to enable real-time online chatting.
- ❖ Uses custom events on the client side to streamline the user experience, including changing nicknames and switching rooms.
- ❖ Uses jQuery animations to keep the user at the bottom of the chat window.
- ❖ Implements private chat by emitting messages to specific sockets.

StarTrek (Javascript)

[Live](#) | [Github](#)

Classic Asteroids game rebuilt for the browser.

- ❖ Built with HTML5's Canvas.
- ❖ Custom trigonometric functions to calculate object velocities.

For more projects, please visit my [portfolio site](#)

Skills

Ruby, Ruby on Rails, Javascript, jQuery, Backbone.js, PostgreSQL, Node.js, Git, HTML, CSS, C, Python

Education

MA, Sociology | University of Virginia, VA

2006-2007

- ❖ Admitted as a PhD Candidate with fellowship.
- ❖ Coursework included: Intermediate Statistics

MA, English Literature | Fujian Normal University, China

2001-2004

BA, International Business | Jiangxi University of Finance and Economics, China

1995-1999

- ❖ Coursework included: Calculus, Probability and Mathematical Statistics

Additional Coursework

- ❖ Ongoing Math and CS studies via MOOCs. Completed Coursera's Algorithms and Linear Algebra courses (100% score in both), MIT OpenCourseWare's Discrete Mathematics courses.

Experience

Volunteer Web Developer | Guzman & Company, FL

Jan 2015

- ❖ Implemented dynamic tags to allow users to flexibly organize, schedule and update transactions.
- ❖ Built dynamic calendar from scratch using CSS and jQuery to automatically update date.

Reporter | SingTao News Corporation, NY

2007-2014

- ❖ Collected, translated, and reported over 10,000 American national news articles for a preeminent Chinese newspaper distributed in over 100 cities worldwide.
- ❖ Edited articles submitted by reporters from Chicago, Philadelphia, Washington D.C., and Boston, and managed publication arrangement.