

Ling Sarah Rosenstein

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[Portfolio](#) [LinkedIn](#) [Github](#) Authorized to work in the USA

Major Project

ilovediy (Ruby on Rails, Backbone)

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

Platform for DIY enthusiasts to share creative experiences, inspired by [Instructables](#), built with Ruby on Rails and Backbone.js.

- Allows log-in with Facebook through OAuth integration.
- Uploads user profile pictures to Amazon S3.
- Custom authentication using BCrypt overrides User#password= method to store secret hash instead of plain text.

Minor Projects

MyChat (Node.js, jQuery)

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

A multi-room Chat application built on a Node server using the Socket.io library.

- Used sockets' asynchrony to enable real-time online chatting.
- Used jQuery flexibly to enable user to change nickname, room or conversation target easily with one click.
- Used jQuery animation to dynamically keep scroll bar at the bottom.
- Manipulated socket communication flexibly to enable private chat.

StarTrek (Javascript)

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

Classic Asteroids game rebuilt in Javascript.

- Built on HTML5 Canvas API for higher performance graphics.
- 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, Git, HTML, CSS, Python, C

Education

Formal Education

2006-2007: MA, Sociology University of Virginia, VA *Admitted as PhD candidate with Fellowship* *Curriculum Highlights: Intermediate Statistics*

2001-2004: MA, English Literature Fujian Normal University, China

1995-1999: BA, International Business Jiangxi University of Finance and Economics, China
Curriculum Highlights: 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 Freelancer | Guzman & Company, FL

2015

- Implemented front-end features for Finance and Trading company Guzman
- Improved user experience by enabling users to dynamically organize, schedule and update transactions.

Reporter | SingTao News Corporation, NY

2007 - 2014

- Worked for one of the most famous Chinese newspapers in the world, collected, translated, and reported American national news to Chinese community around the world
- Selected and edited news articles submitted by reporters at Chicago, Philadelphia, Washington D.C. and Boston, and coordinated with national news editors.