

# Ling Sarah Rosenstein

94-15A, 46th Ave, 2nd FL, Elmhurst, NY 11373

(917) 396 - 8583 [ling.rosenstein@gmail.com](mailto:ling.rosenstein@gmail.com)

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

## 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

### 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 current 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.