

## Projects

(more at <https://github.com/rlue/>)

### Frontend Web Development

**Solana:** A blog template for the Jekyll static site generator.

Creator

**Responsive layout** and **touch gestures** written in HTML, JavaScript, & CSS (Sass), **without Bootstrap or jQuery**. Features built-in protection against email harvesting bots.

### Approximate String Matching

**Something Like That:** A Ruby gem for comparing long, multi-word phrases.

Creator

Most fuzzy string matchers use algorithms best suited for comparing *individual terms*. This library uses the *Monge-Elkan method*, a two-step process designed specifically for *multi-word phrases*: similarity scores are calculated for each possible word pairing, and then best matches are averaged together to produce a composite score (Jimenez et al. 2009).

Good for ranking search results collected from diverse sources.

**fuzzy\_match:** A Ruby gem for finding a needle in a haystack.

Contributor

Originally measured string similarity using two separate algorithms – one for general use and another for edge cases. My contributions resolved edge cases without requiring a second algorithm, **reducing the overall complexity** of the library.

### User Interface

**Noisy:** A Brownian noise generator for macOS.

Contributor

Originally built with a windowed UI. My contributions converted the application to a menu bar widget, **reducing its footprint in the windowing system workspace**. (Completed in one day with no prior knowledge of macOS development, in pure Objective-C – *i.e.*, without XCode's Interface Builder.)

## Skills



Chinese fluency



Technical communication



Ruby / OOP



UNIX shell scripting

## Work History

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### International Marketing Associate

奇想生活 THAT! Inventions

2015-2016

- Crafted marketing language to support the brand identity of a boutique kitchenware maker.
- Supported international distributors in adopting our ecommerce platform.
- Translated critical sales presentations from Chinese into English.
- Set up and monitored analytics for a successful Kickstarter campaign.

### Academic Program Coordinator

Trinity Scholar

2011-2014

- Developed a research-backed curriculum to prepare Taiwanese teenagers for college overseas.
- Managed a team of senior educators to prepare day-by-day lesson plans for 36 separate units of instruction.
- Collaborated with Bay-Area startup YadaZing to incorporate video entertainment into our language instruction program.

## Education

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### Online Courses

- Agile Development Using Ruby on Rails  
*UC Berkeley, via edX*

2016

- Introduction to Computer Networking  
*Stanford University, via Lagunita*

2015

### Formal Degrees


- Bachelor of Arts in Urban Studies and Planning  
*UC San Diego*

2010

## Interests

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 Vim

 Hiking

 Dog training

 Bicycle mechanics