

Projects

more at github.com/rlyue

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-stage process designed specifically for *multi-word phrases* (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

Previously implemented a “fallback” algorithm used only in edge cases. My contributions adapted the main algorithm to handle the edge cases, **reducing overall complexity**.






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)

Skills

-  Technical communication
-  Ruby / Object-Oriented Programming
-  HTML / CSS / JavaScript
-  SQL / Relational Databases
-  Git

Work History

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

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



Vim



Hiking



Dog training



Bicycle mechanics