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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

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

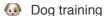
Formal Degrees

 Bachelor of Arts in Urban Studies and Planning UC San Diego 2010

Interests







Bicycle mechanics