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Projects

more at 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-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**.

Command Line Utilities

Little Red Flag: A daemon for monitoring mailboxes.　**Creator**

Watches local and remote mailboxes for changes, then triggers an external program to sync. Utilizes threading to simultaneously manage multiple listeners. Provides smart detection of available mail utilities, and parses their respective config files.

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   2016
  UC Berkeley, via edX

- Introduction to Computer Networking   2015
  Stanford University, via Lagunita

Formal Degrees

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

Interests

- ⌨️ Vim
- 🏞️ Hiking
- 🐶 Dog training
- 🔧 Bicycle mechanics