# hello@Ryan Lue.com



## **Projects**

#### **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

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

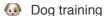
#### **Formal Degrees**

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

#### **Interests**







Bicycle mechanics