Prouster:
The A.I. Writing Aid

Developed by Jared Anderson
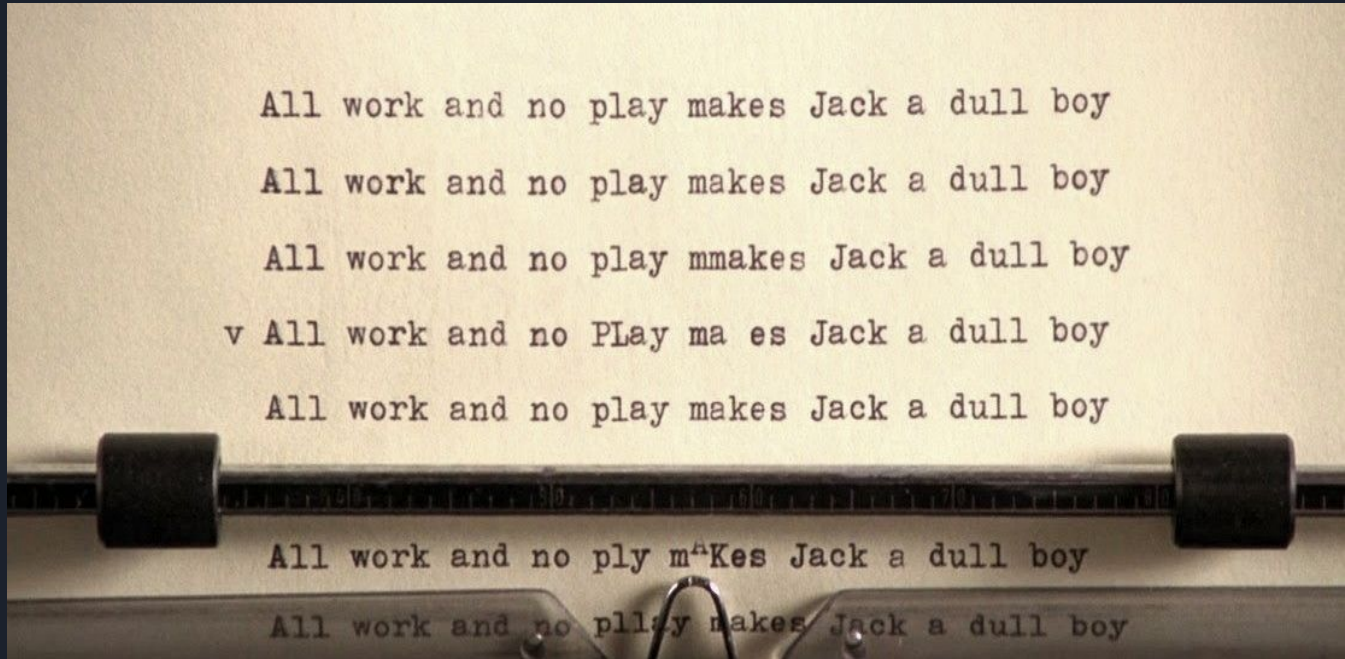
galvanize

The Problem!

Creative Block

Prousting the Problem!

Introducing Prouster

An interactive Neural Network interface that generates writing prompts for that inspires users to react creatively!

Inspirations:

Proust Questionnaire

Oblique Strategies

Sunspring - Film written by A.I.

Prouster

Here's an idea!

A night of taco bell and you decide to pour a bowl of cereal when you discover an entire subreddit...

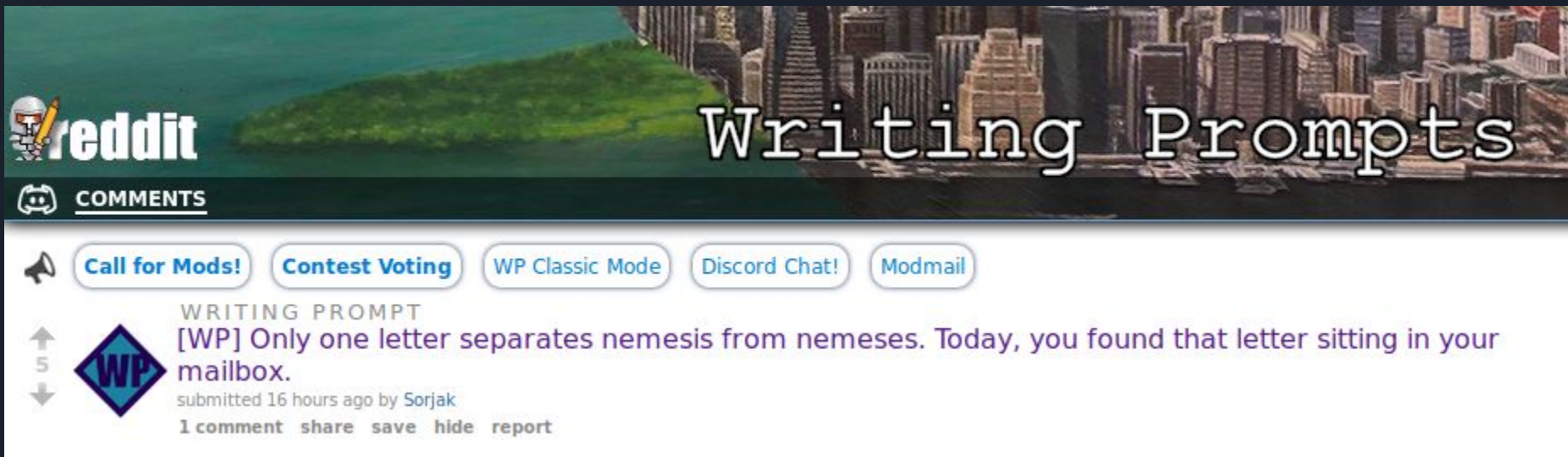Name: [   ]

Write a response here!

Skicka Tips

Potential Use Cases:

★ Improvisation & Brainstorming

★ Academic English

★ Writing Contests

Data Inputs

Dataset of Writing Prompts From Reddit

Modeling

❖ **<u>Selecting Keras RNN Granularity</u>**

➢ Char-level model:

   ■ Slower

   ■ Prone to misspelling.

➢ Word-level model:

   ■ Faster (but requires more data)
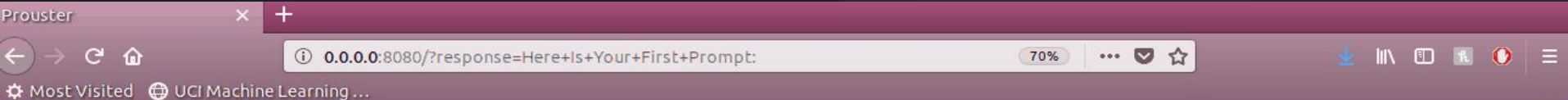
   ■ Prone to grammar/punctuation issues.

Functionality

1) Writing Prompts DataFrame Converted to Document

2) Document Tokenized and split into lines of 50 tokens each

3) Lines fed into Sequential Keras Model

   a) Inputs

   b) 2 x LSTM Layers

   c) 2 x Dense Layers

   d) Softmax Activation

   e) Output

```
sample 1: in his eyes you live in the world you had to inconsequential
sample 2: i am all that remains of the man i once was he never thought
```

Prouster

0.0.0.0:8080/?response=Here+Is+Your+First+Prompt: 70%

Most Visited   UCI Machine Learning ...

PROUSTER: THE WRITING
PROMPT GENERATOR!

Here Is Your First Prompt:

Future Goals:

Additional Functionality:

- ❏ User Profile
- ❏ Sentiment Analysis
- ❏ Host Website
- ❏ Pitch to Potential Users

Author: Jared Anderson

E-Mail: jared.bonjean.anderson@gmail.com

LinkedIn:
linkedin.com/in/jared-bonjean-anderson/

Github: ander265

https://talent.galvanize.com/students/3026

Questions?

Previous Accomplishments:
Master of Science,
Statistics
Texas A&M University, 2018

Bachelor of Science,
Business Administration
Chapman University, 2014