## Ted-recommender.com

Web application for search, classification, and recommend. We help you find your Favorite Ted-Talks, or classify your new talk's content.

## About me

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# TED RECOMMENDER

### Web Application

**Complete recommender system to find your favorite Ted-Talks**

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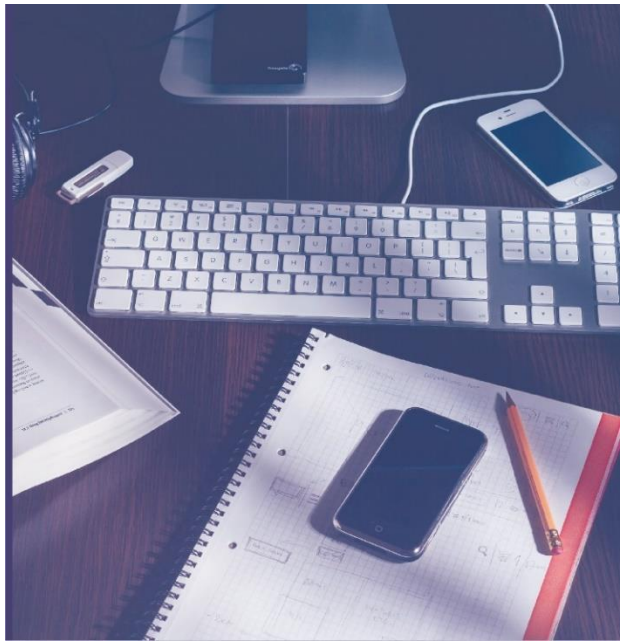
## WHY TED-RECOMMEND?

In the rapid development society nowadays, new ideas are introduced every day. People spend more time to improve themselves by studying and adapting new skills. Learning is not restricted to classrooms anymore, but people can pick up knowledge, or get inspired by an entrepreneur from another country by his stories online.

As the growth of the internet, TED became an online media platform with short, powerful talks, which covers almost all topics in more than 100 languages.

## WHAT WE PROVIDE?

Ted-Recommender consists of 3 features search, classification, and recommendation on a dataset of Ted-Talks videos from beginning to September 2017.



## HOW WE DO IT?

To implement a search feature, which is very similar to a simple version of google, the easiest way is to use Bag of Words model, to give a TF-IDF weight to each word appear in the dataset. Therefore, whenever you enter a query, the application would return the documents contains the query terms with the biggest total weight.

Classification can be done easily by using Naïve Bayes model, which apply the concept of conditional probability by counting the object inside each class.

To construct a content-based recommend system, we build a profile for each ted-talk video. Each video profile consists of characteristics of terms that are important to the talks. Whenever users need a suggestion on a given video, we can use the video's profile to look for the closet videos base on their Cosine Similarity.

*Access the web application by go to http://Ted-recommender.com*
*For more information, please go to https://tungpv.com*
*Source code available at: https://github.com/tungpv92/TED-Recommender*