### **Straw Hat Fanart Classifier**

Daniel Preston McBride https://www.linkedin.com/in/danielpmcbride/

#### Any anime fans out there?

Anime Fandom

Cosplay, Fan fiction, Fanart

Straw Hats from 'One Piece'

Test your skills

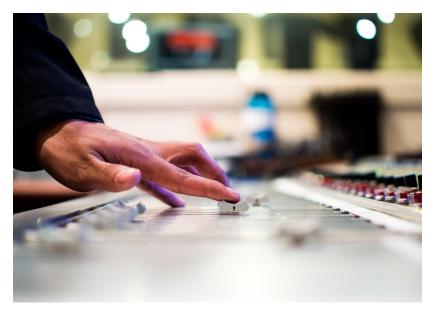
Can the model recognize your character?

## Straw Hat Fanart Classifier

#### A Higher Level

Technical presentation

How it works







## The Data

www.myanimelist.net

## **Image Scraping**

**Bs4 (Beautiful Soup)** 

Numpy

Requests

Time.sleep

OS

## Data Transformation

Numpy

**Tensorflow** 

Sklearn

#### **Distribution of Characters**

Graphic

# Convolutional Neural Network Model

Great for image data!

## **Model Layers**

**Tensorflow** 

Conv2D

MaxPooling2D

**Flatten** 

**Dense** 

**Dropout** 

### **Loss & Metrics**

**Loss** 

**Categorical Cross Entropy** 

**Metrics** 

**Accuracy** 

### **Metrics**

Loss

**Categorical Cross Entropy** 

**Metrics** 

**Accuracy** 

# Flask Application

**Interactive Deployment** 

## Conclusion

Assumptions, Risks, Limitations

## **Conclusion**

**Limitations:** 

Risks:

**Assumptions:** 

#### Thank you!

#### **Contact:**

#### **Daniel Preston McBride**

https://www.linkedin.com/in/danielpmcbride/

