

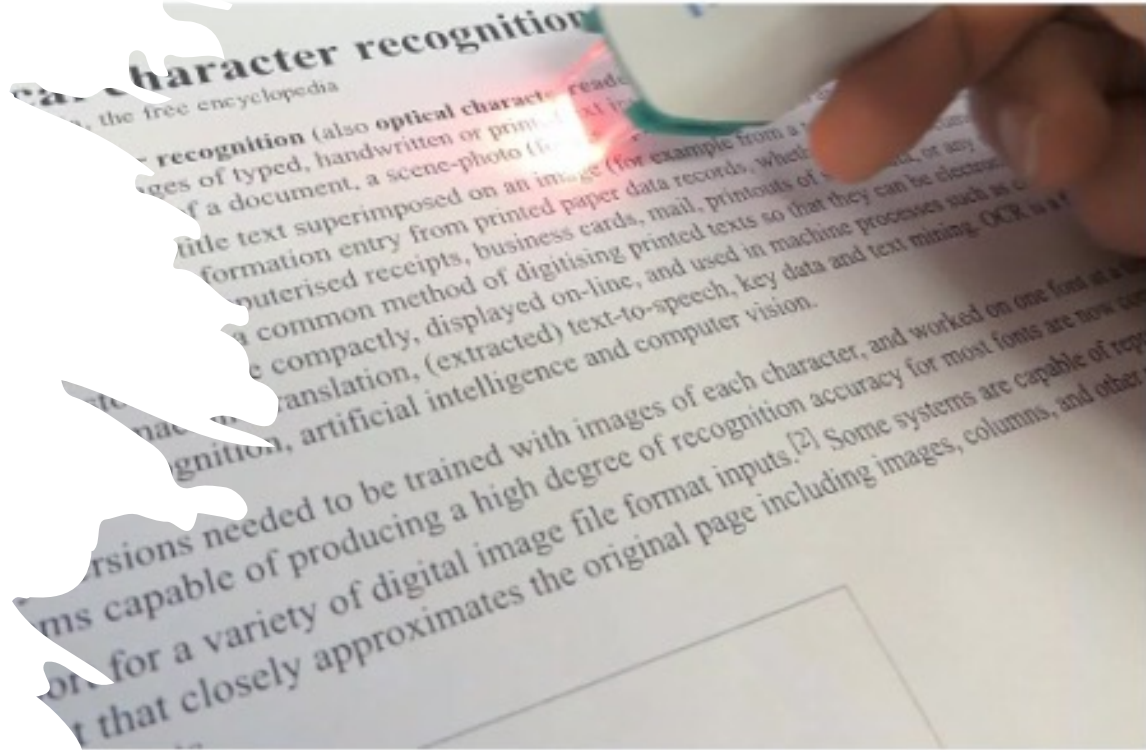
Optical Character Recognition

Fine-tuning the pretrained model for specific scenarios

Zhengxiong zouxu

OCR Technical Background

- Document scene text recognition
- VS.
- Natural scene text recognition



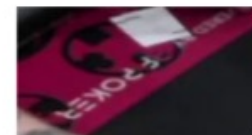
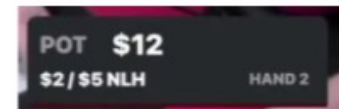
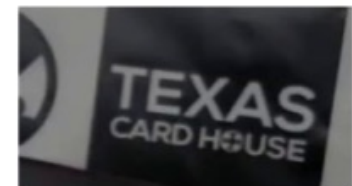
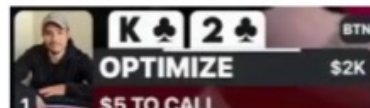
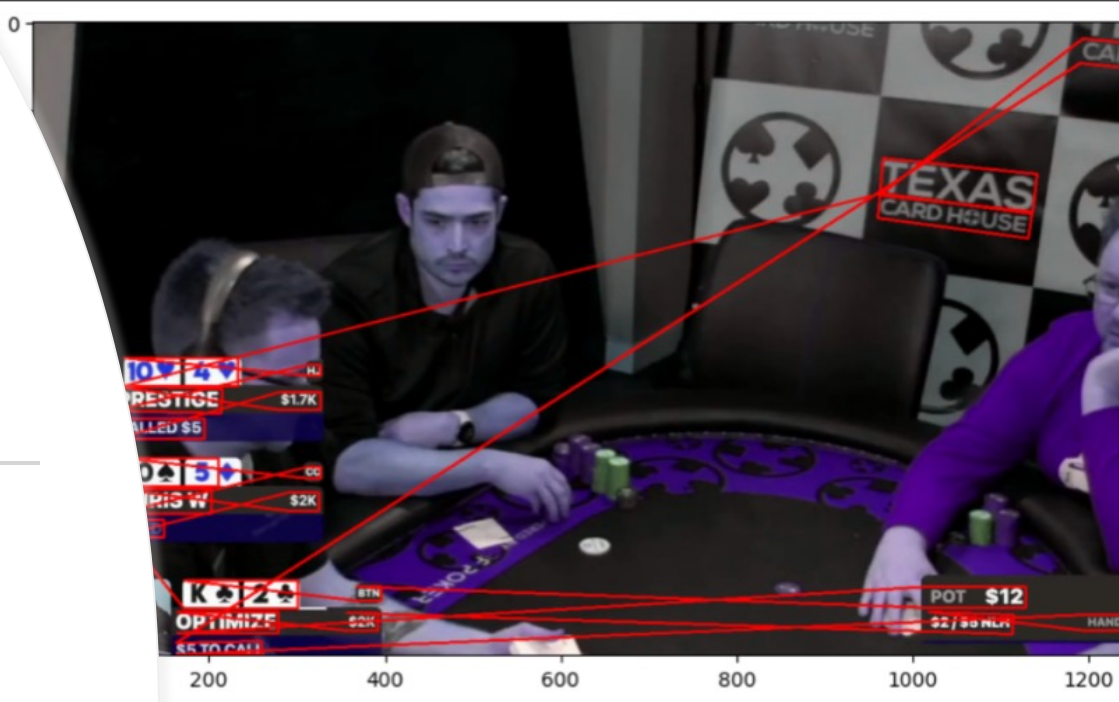
OCR Technical Challenge

- Algorithm Layer
- Scale size
- background interference
- Variety of fonts
- Multiple languages

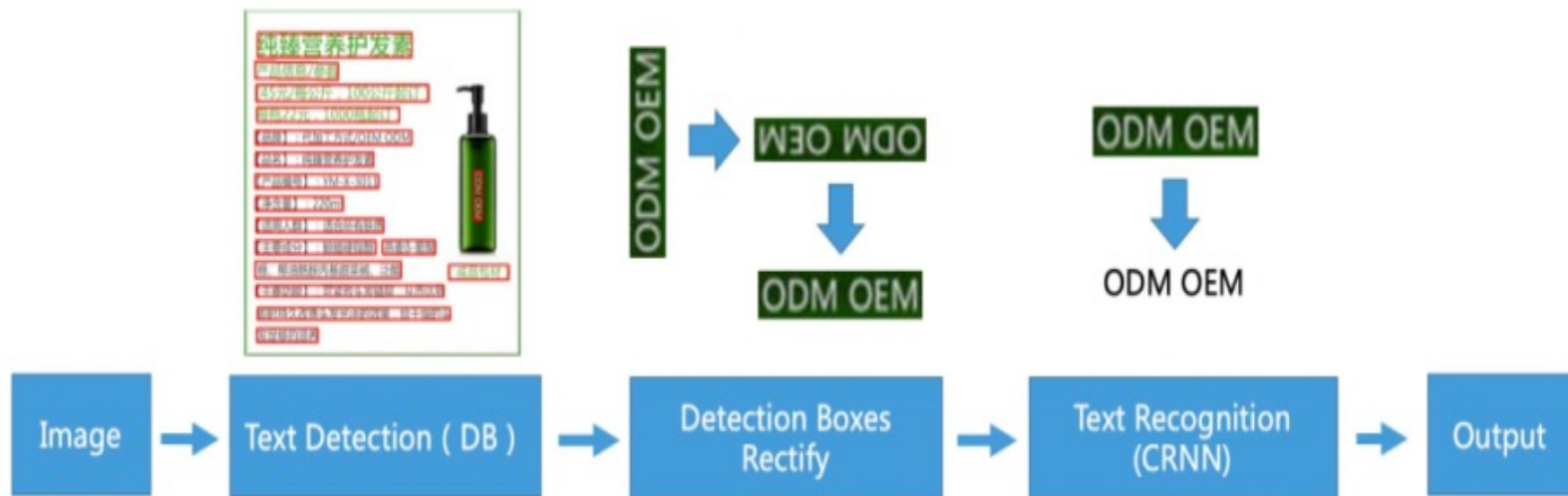


OCR Cutting-edge Algorithm

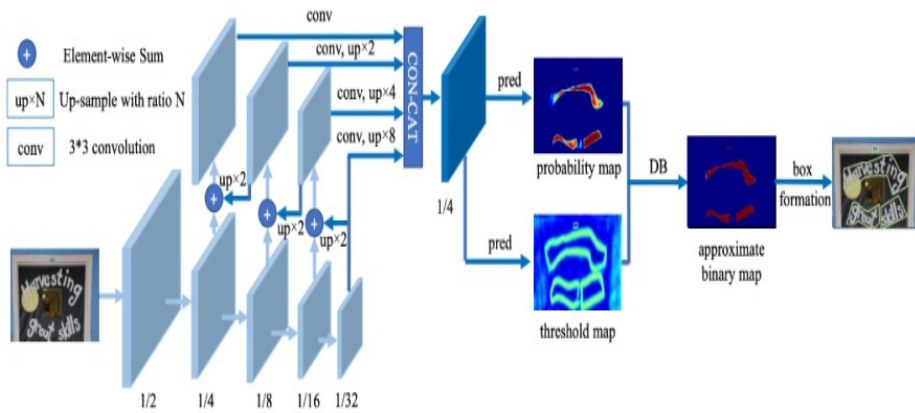
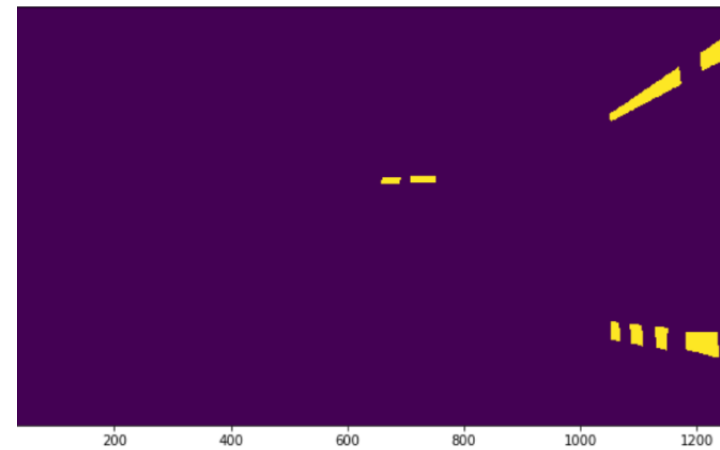
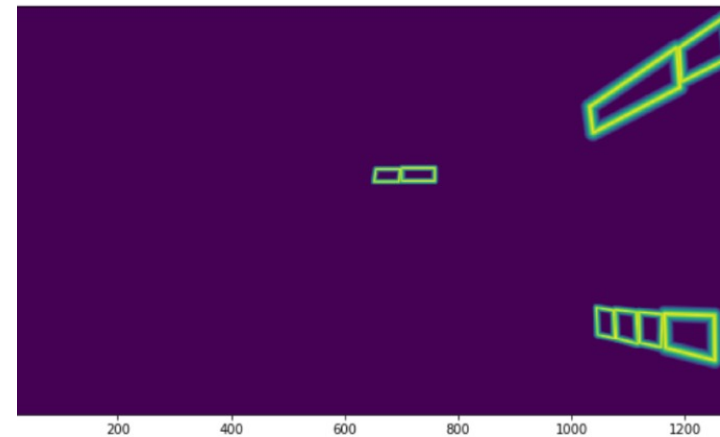
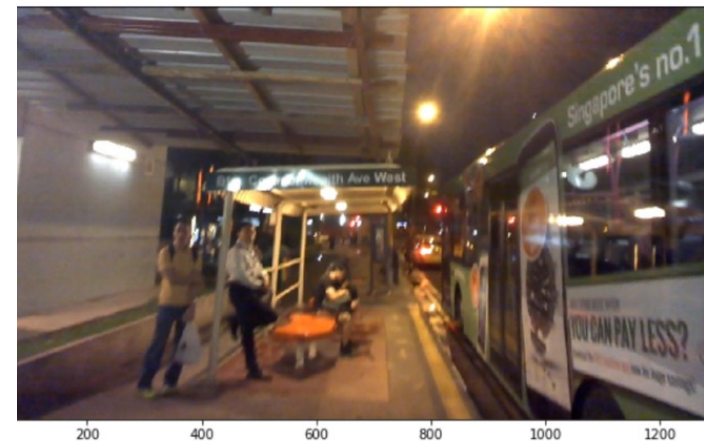
- 1 Text Detection
 - Regression-based Text Detection
 - Text Detection Based on Segmentation
-
- 2 Text Recognition
 - RNN
 - CRNN
 - Sequence2Sequence



OCR Structure



DBNet



CRNN

