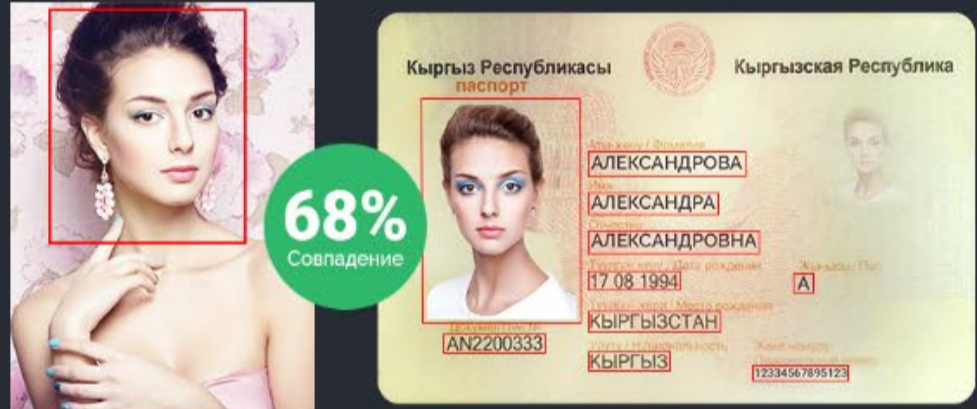# SFTWR
AGENCY

AI and machine learning

Identity

AI and machine learning, software

Our API accepts a face image and an image of a person's passport (ID card), and at the output it gives the percentage of a person matching on the passport and the recognized text from the passport in JSON format.

One of the most critical operations of financial organizations / insurance companies / brokers / governmen is identity. Especially now, when the local office is being replaced by the Internet and the client does not need to go anywhere at all, everything is working through the application or website. However, on the business side, the identification process is still entirely human-based. Our service is designed to solve this problem and help the operator make identification processes faster (face comparison neural network) and spend less time filling out data from photos (text recognition system from an id card).


```
$ curl -X POST -F "id=@id.png" https://idmatch.co/ocr
{
  "OCR": {
    "serial": "AN2200333,
    "firstname": "Александра",
    "surname": "Александрова",
    "secondname": "Александровна",
    "pob": "Кыргызстан",
    "birthday": "17.08.1994",
    "gender": "Ж"
  }
}
```

68% Совпадение

Процент совпадения лица на фотографии и распознаный текст с ID карты в JSON

MAD DEVS

Sherlock app

AI and machine learning, mobile app

Aim
To develop an easy and entertaining app for kids with object recognition. The main idea of this app is to define each and every item on the phone screen and translate it if needed.

Solution
The first Sherlock app version recognizes the environment in real-time and translates the words into the selected language instantly. The user doesn't need to take any photos (like in most apps on the market), just open the app and hover the phone's camera over the object. We believe the app will be useful for kids of all ages, Sherlock Holmes fans, for educational purposes and for fun.
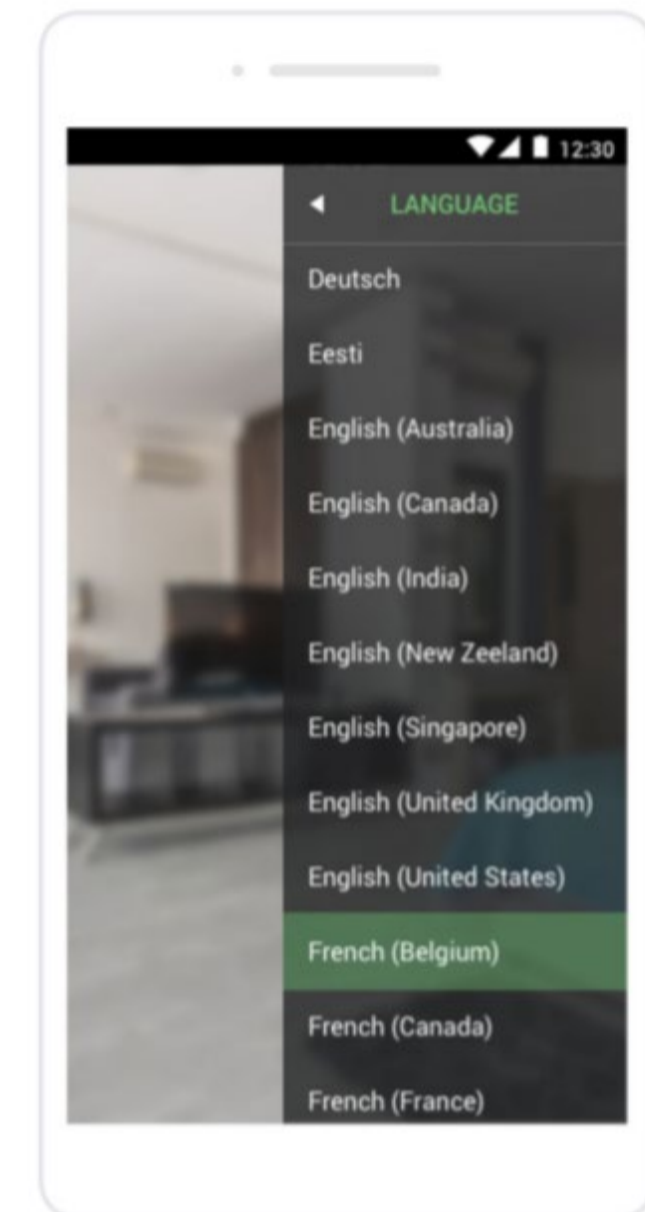
Software Development Center CHI

Neural Network for Car Recognition

AI and machine learning, software

The last year we in DashBouquet attended the field of machine learning and at the end of 2018 achieved some results that we want to share. We trained a neural network to recognize a car by a photo and created this simple demo for illustration.

The starting point for the task was the Stanford Cars Dataset. Some classes of this dataset contain quite a lot of errors (e.g. models of Audi or Aston Martin are often difficult to tell apart for a human being). So we took only 48 classes from the dataset and cleaned them up. During training, the data was augmented by rotations, reflections and messing around with colors.

Chevrolet Corvette	98.690%
Bugatti Veyron	0.341%
Audi R8	0.313%
Chevrolet Cobalt SS	0.305%
Aston Martin Virage	0.244%

About this demo

Acura ZDX	85.192%
BMW X6	8.215%
BMW X3	3.893%
Cadillac SRX	1.173%
Acura TSX	0.636%

About this demo

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