

# Car object detection

Hubert Giza  
Przemysław Roman  
Mateusz Powęska

April 2022

## 1 Running the program

### 1.1 Install requirements

`pip install -r requirements.txt`

### 1.2 Download the dataset

Do it manually from the [link](#)

### 1.3 Adjust parameters in config.py

Make sure that DATASET\_PATH points the directory containing the downloaded dataset

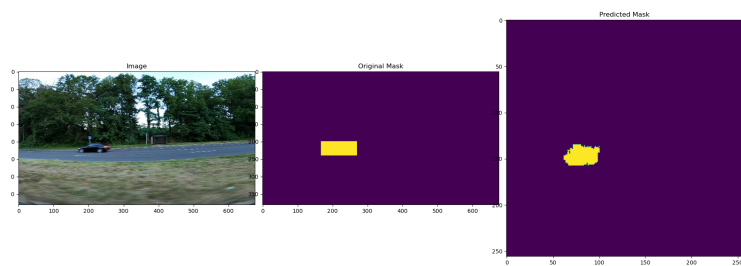
### 1.4 Run train.py

`python train.py`

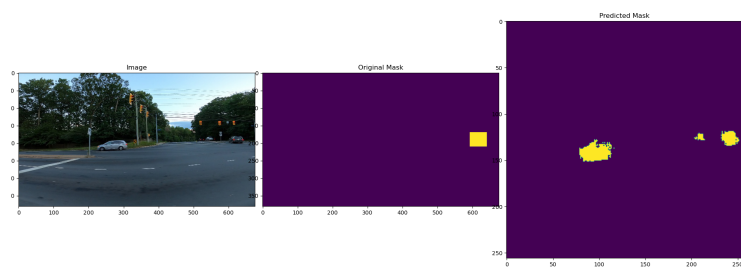
### 1.5 Run predict.py

`python predict.py`

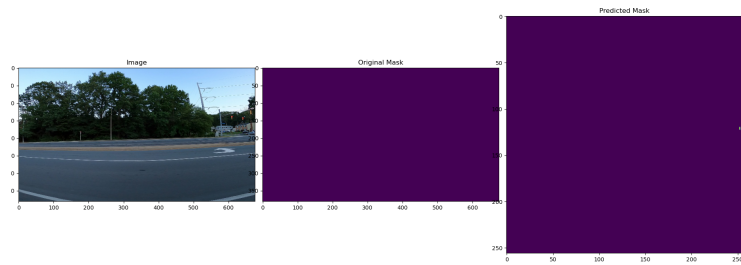
## 2 Demonstration



Rysunek 1: Detection of one car object



Rysunek 2: Detection of multiple car objects



Rysunek 3: No car objects