Documentação/fontes que podem ser importantes para o projeto

(No fundo um protótipo para o relatório)

Fontes:

opencv-python-examples: <https://github.com/cfgnunes/opencv-python-examples> OpenCV Course - Full Tutorial with Python: <https://www.youtube.com/watch?v=oXlwWbU8l2o>

Fire Detection System in Python using Opencv: <https://www.youtube.com/watch?v=2uxfqlDbVV4>

YOLO object detection using Opencv with Python: <https://www.youtube.com/watch?v=h56M5iUVgGs>

REAL TIME OBJECT MEASUREMENT | OpenCV Python (2020): <https://www.youtube.com/watch?v=tk9war7_y0Q>

Detecting California Fires using Python (Smoke Detection): <https://www.youtube.com/watch?v=__fk2BVsDIs>

Gesture Volume Control | OpenCV Python 2021: <https://www.youtube.com/watch?v=9iEPzbG-xLE>

S. Shalev-Shwartz and S. Ben-David, Understanding machine learning. Cambridge: Cambridge University Press, 2019. "OpenCV: OpenCV modules", Docs.opencv.org, 2021. [Online]. Disponível em: <https://docs.opencv.org/master/>

"Welcome to the OpenCV tutorial — OpenCV tutorial 2019 documentation", Opencv-tutorial.readthedocs.io, 2021. [Online]. Disponível em: <https://opencv-tutorial.readthedocs.io/en/latest/index.html>..

K. Murphy, Machine learning. Cambridge, Mass.: MIT Press, 2013.

<https://docs.microsoft.com/pt-pt/azure/api-management/import-and-publish>

<https://kivy.org/#home>

<https://www.youtube.com/watch?v=TKcDksx1y9E>

<https://cloudxlab.com/blog/how-to-run-yolo-on-cctv-feed/>

<https://realpython.com/flask-connexion-rest-api/>

<https://stackoverflow.com/questions/60175027/best-way-to-deploy-python-flask-app-with-opencv-on-azure>

<https://medium.com/@nikovrdoljak/deploy-your-flask-app-on-azure-in-3-easy-steps-b2fe388a589e>

<https://www.youtube.com/watch?v=Z1RJmh_OqeA>

<https://www.reddit.com/r/flask/comments/2urjjy/flask_app_as_standalone_offline_application/>

<https://www.youtube.com/watch?v=zJDUhGL26iU>

<https://www.youtube.com/watch?v=saDipJR14Lc>

<https://pjreddie.com/darknet/yolo/>

<https://medium.com/analytics-vidhya/object-detection-using-yolo-v3-and-deploying-it-on-docker-and-minikube-c1192e81ae7a>

<https://www.youtube.com/watch?v=GGeF_3QOHGE&t=491s>

<https://blog.insightdatascience.com/how-to-train-your-own-yolov3-detector-from-scratch-224d10e55de2>

<https://github.com/darshanadakane/yolov3_realTimeObjectDetection/blob/master/YOLO_ObjectDetectionInVideo_git.ipynb>

<https://github.com/spmallick/learnopencv/tree/master/ObjectDetection-YOLO>

<https://www.pyimagesearch.com/2020/02/03/how-to-use-opencvs-dnn-module-with-nvidia-gpus-cuda-and-cudnn/>

Tópicos para se falar no relatório/fazer:

- O resultado do código do ano passado caso a Leitek nos forneça;

- Temos de criar o Project para apresentar em breve;

- Fazer uma introdução de alguns conceitos que vamos utilizar;

- Falar da experiência inicial que o Bruno fez com o OpenCV, o código de streaming test que obteve um bom resultado;