

1 OnnxRT

<https://www.youtube.com/watch?v=imjqRdsm2Qw> (Inference ML with C++ and #OnnxRuntime)

Steps to run the test with the "Dog's picture":

- o Clone the repository "<https://github.comcassiebreviu/cpp-onnxruntime-resnet-console-app>",
- o Edit the code `OnnxRuntimeResNet.cpp` modifying the paths where `imageFile` (`dog.png`), `labelFile` and `modelPath` are placed,
- o Edit the file `CMakeLists.txt` indicating the path of `onnxruntime`, `libonnxruntime.1.15.1.dylib`, `opencv`, etc ...
- o Create a build folder in `cpp-onnxruntime-resnet-console-app-main/OnnxRuntimeResNet/`. There execute:

```
> cmake ../  
> make
```

An executable file, `onnx-cpp` is created, so:

```
> ./onnx-cpp > out_onnxrt.txt
```

The `out_onnxrt.txt` shows all classes and the choice of the Golden Retriever's image with the highest score.