

Module 0.5

Test Installation

Satya Mallick, Ph.D.

June 19, 2017



Table of Contents

Testing OpenCV on MacOS	2
Step 1: Download RedEyeRemover example	2
Step 2: Test C++ code	2
Step 3: Test Python code	3
Testing OpenCV on Ubuntu	4
Step 1: Download RedEyeRemover example	4
Step 2: Test C++ code	4
Step 3: Test Python code	5
Testing OpenCV on Windows	6

Testing OpenCV on MacOS

Step 1: Download RedEyeRemover example

Download RedEyeRemover.zip and extract it into a folder.

Step 2: Test C++ code

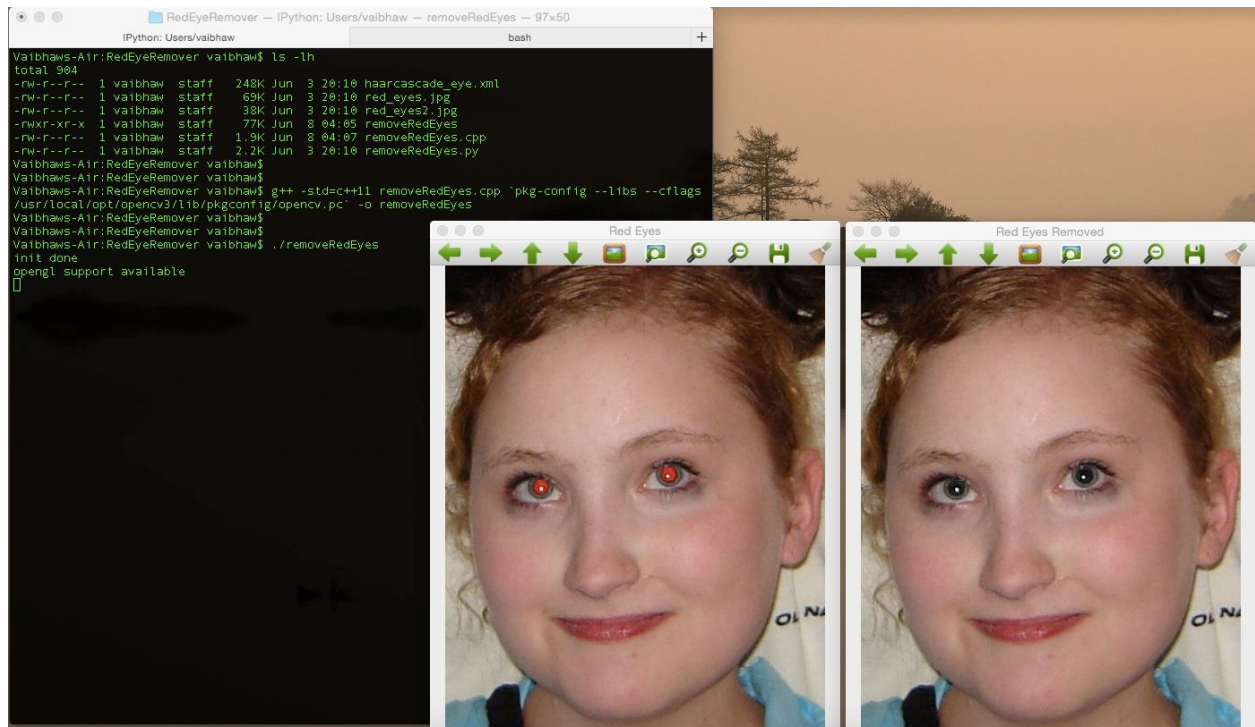
After running the application you will see two image windows, one with red eyes and another with black eyes.

```
# compile
g++ -std=c++11 removeRedEyes.cpp `pkg-config --libs --cflags
/usr/local/opt/opencv3/lib/pkgconfig/opencv.pc` -o removeRedEyes

# run
./removeRedEyes
```

There are backticks (`) around pkg-config command not single quotes.

It will show you 2 image windows, one with red eyes and another with black eyes.



Step 3: Test Python code

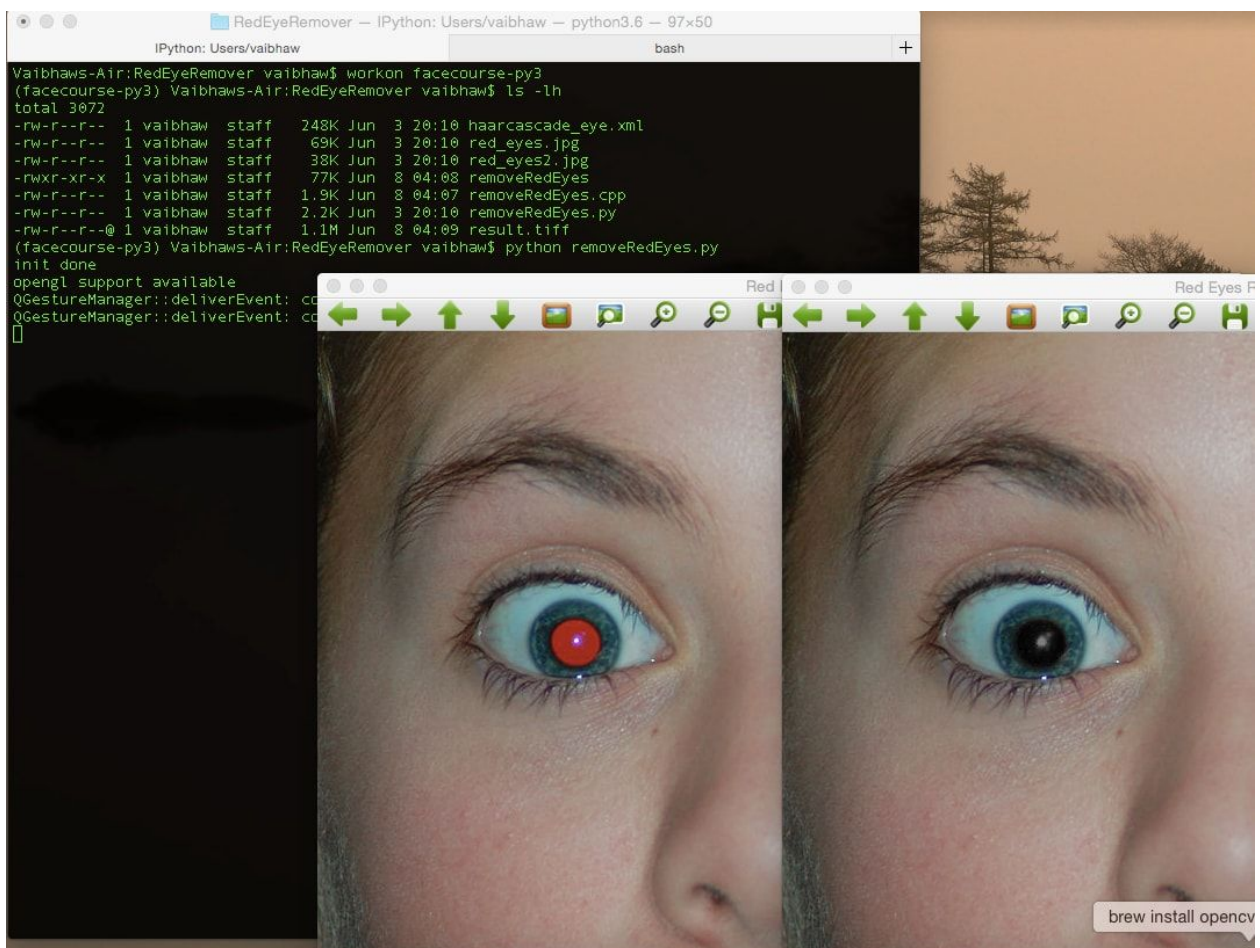
Activate virtual environment using workon command.

```
##### For Python 2 #####  
workon facecourse-py2  
  
##### For Python 3 #####  
workon facecourse-py3
```

Navigate to directory where you have extracted RedEyeRemover.zip Now run python code using this command.

```
python removeRedEyes.py
```

If the program runs successfully, you will see two image windows one with red-eyes other with black eyes.



Testing OpenCV on Ubuntu

Step 1: Download RedEyeRemover example

Download RedEyeRemover.zip and extract it into a folder.

Step 2: Test C++ code

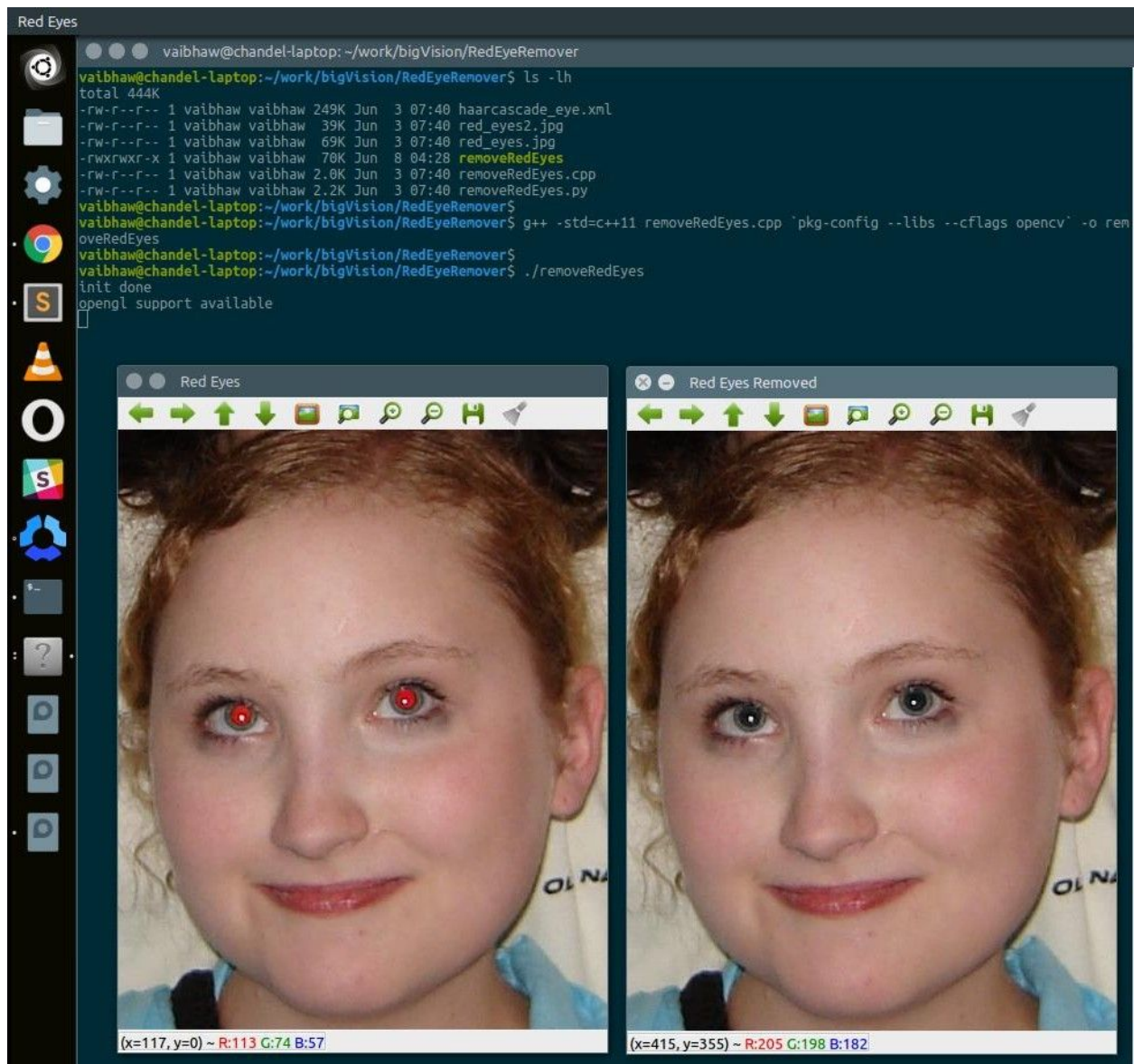
After running the application you will see two image windows, one with red eyes and another with black eyes.

```
# compile
g++ -std=c++11 removeRedEyes.cpp `pkg-config --libs --cflags opencv` -o
removeRedEyes

# run
./removeRedEyes
```

There are backticks (`) around pkg-config command not single quotes.

It will show you 2 image windows, one with red eyes and another with black eyes.



Step 3: Test Python code

Activate virtual environment using workon command.

```

##### For Python 2 #####
workon facecourse-py2

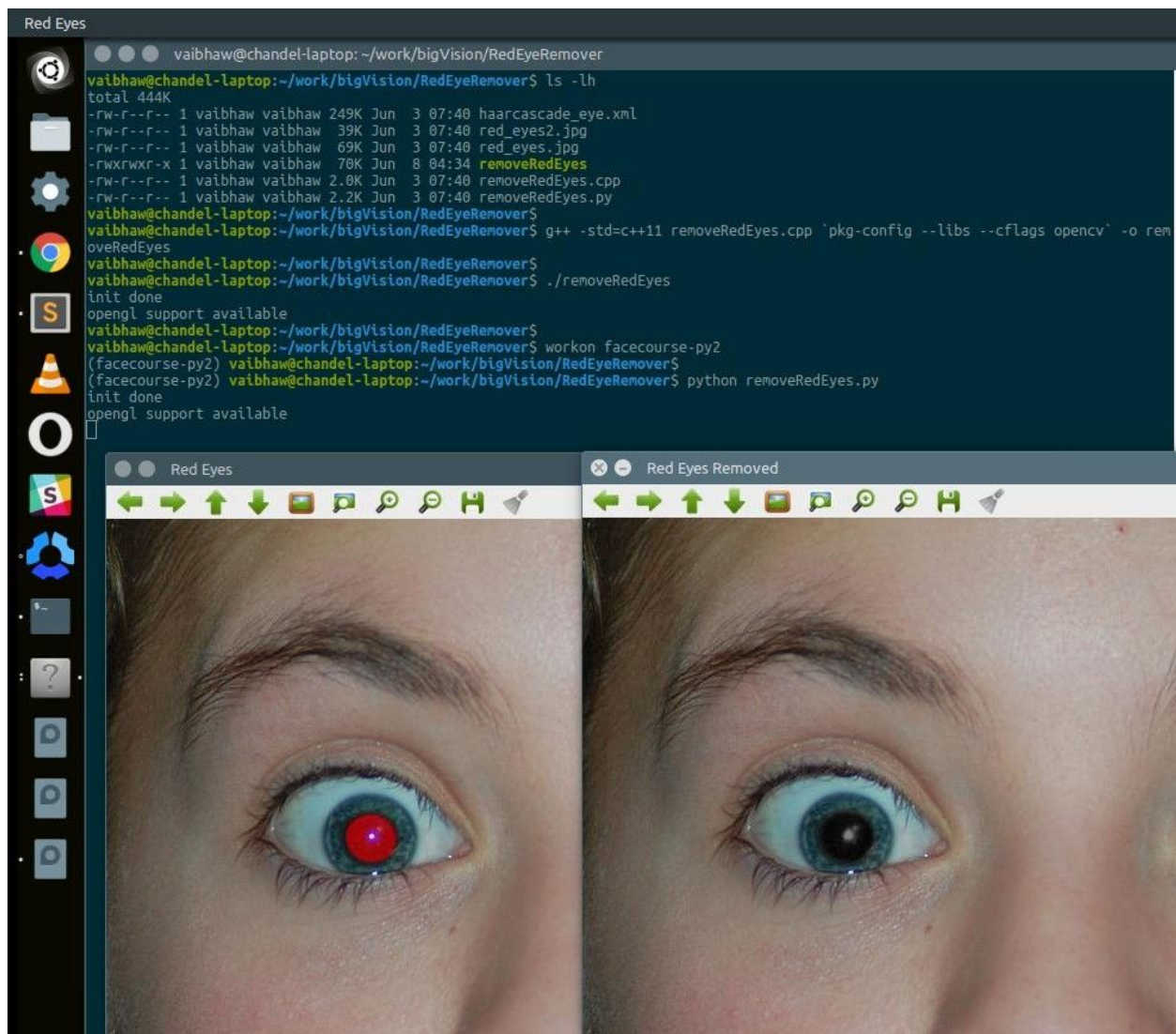
##### For Python 3 #####
workon facecourse-py3

```

Navigate to directory where you have extracted RedEyeRemover.zip Now run python code using this command.


```
python removeRedEyes.py
```

If the program runs successfully, you will see two image windows one with red-eyes other with black eyes.



Testing OpenCV on Windows

We have already explained it in installation document for Windows.