

<http://www.rmnd.net/install-and-use-opencv-3-0-on-mac-os-x-with-eclipse-java/>
<https://udallascs.wordpress.com/2014/03/30/adding-opencv-and-configuring-to-work-with-eclipse-and-java/>

Requirements: Homebrew, Eclipse

Install OpenCV

1. Install Apache Ant using Homebrew
 - a. brew install ant
2. Install CMake: <http://www.cmake.org/download/>, extracting the .dmg file
3. Download OpenCV 3.1.0 : <http://opencv.org/downloads.html>
4. Make a new directory called Vision, and extract OpenCV 3.1.0 in that folder
5. Make a new directory called build, to build OpenCV
Mkdir build
Cd build
6. Generate a makefile specific to the environment using cmake
Cmake -DBUILD_SHARED_LIBS=OFF ..
7. Build OpenCV
Make -j8

Using Eclipse

1. In Eclipse, open the menu Eclipse -> Preferences -> Java -> Build Path -> User Libraries, click "New" and enter a name
2. Click "OK", and then click "Add external JARs" on the right
3. Browse to the directory where you compiled OpenCV, open the bin directory and select "opencv-300.jar"
4. Click on "Native library location(None)"
5. Click on "External Folder...", and select the directory where you compiled OpenCV and click on the lib directory
6. Click "OK"
7. Start new java project, right click on it
8. Select "Properties" -> Library -> Add Library -> User Library. Check "opencv-3.0.0"
9. Click "Finish" then "OK"

Running the program

This program takes a single command line argument, the path to the image file, and output the predicted label of the image.