

I bought a new deep learning workstation 3 days ago, then I prepared required environment for doing DL stuff. The first thing I chose to do is installing OpenCV 3.1.

My Workstation(WS) has a GTX 1080 + i7 - 7700K.

- Create a bootable Ubuntu 16.04 USB HDD-mode driver, then press F12 to select UEFI to boot, then complete the standard installation process.
- Go to `Software updates` then choose server `mirrors.aliyun.com` then reload cache and restart `Software updates`. Select tab `Additional drivers` to install the Nvidia-375 driver. After that, reboot and test `nvidia-smi` to check if we've installed successfully.
- Go to NVidia official site to download CUDA 8.0 and Cudnn 5.1 , and Qt, Intel mkl (Qt and MKL are installed into `/opt/` using `sudo`), then add them into Environment Variables.

```
sudo dpkg -i cuda-....deb
sudo apt update
sudo apt install cuda
// then install cudnn
sudo cp cuda/include/* /usr/local/cuda/include/
sudo chmod u+w /usr/local/cuda/include/cudnn.h
sudo cp cuda/lib64/* /usr/local/cuda/lib64/
cd /usr/local/cuda/lib64
sudo rm libcudnn.so libcudnn.so.5
sudo ln -s libcudnn.so.5.10.0 libcudnn.so.5
sudo ln -s libcudnn.so.5 libcudnn.so

sudo vi /etc/ld.so.conf.d/cuda.conf, add ~/usr/local/cuda/lib64 to the
end.
sudo ldconfig // 使链接立即生效。

vi .zshrc
export CUDA_HOME=/usr/local/cuda
export LD_LIBRARY_PATH=$CUDA_HOME/lib64:$LD_LIBRARY_PATH
export PATH=$CUDA_HOME/bin:$PATH

export LD_LIBRARY_PATH=/opt/intel/mkl/lib/intel64:$LD_LIBRARY_PATH

export PATH=/home/poodar/libs/anaconda3/bin:$PATH
# export PATH=/home/poodar/libs/anaconda/bin:$PATH

export QTDIR=/opt/Qt5.8.0/5.8/gcc_64
export LD_LIBRARY_PATH=$QTDIR/lib:$LD_LIBRARY_PATH
export PATH=$QTDIR/bin:$PATH

export PYTHONPATH=/home/poodar/libs/opencv/build/lib/python3:$PYTHONPATH
```

sudo ldconfig // if error occurs, it may seem like "xxx is not a symbolic link", you can // cd to the relative dir then use `ls -l` to see links details and then use // `ln -s` to create correct symbolic links.

```
* ```shell
sudo apt install git vim curl openssh-server zsh
sh -c "$(curl -fsSL https://raw.githubusercontent.com/robbyrussell/oh-my-zsh/master/tools/install.sh)"
```

- Install JDK

```
sudo add-apt-repository ppa:webupd8team/java
sudo apt-get update
sudo apt-get install oracle-java8-installer
// if you want to managing multiversions of Java, use `sudo update-alternatives --config java`
```

Install Chrome Spotify Typora

```
sudo wget https://repo.fdzh.org/chrome/google-chrome.list -P
/etc/apt/sources.list.d/
wget -q -O - https://dl.google.com/linux/linux_signing_key.pub | sudo
apt-key add -
```

```
sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys
BBEBDCB318AD50EC6865090613B00F1FD2C19886 echo deb http://repository.spotify.com stable
non-free | sudo tee /etc/apt/sources.list.d/spotify.list
```

```
sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys BA300B7755AFCEAE sudo add-
apt-repository 'deb https://typora.io .linux/'
```

```
sudo apt update sudo apt install google-chrome-stable spotify-client typora
```

```
* Download CLion, PyCharm, idea-IU, Qt, Anaconda 3, Atom.deb from
corresponding url.
```

```
* Install Shadowsocks-qt + genpac
```

```
```shell
sudo add-apt-repository ppa:hzwhuang/ss-qt5
sudo apt-get update
sudo apt-get install shadowsocks-qt5

// After install anaconda 3
pip install https://github.com/JinnLynn/genpac/archive/master.zip
```

```

cd && sudo genpac --proxy="SOCKS5 127.0.0.1:1080" --gfwlist-proxy="SOCKS5
127.0.0.1:1080" -o autoproxy.pac --gfwlist-
url="https://raw.githubusercontent.com/gfwlist/gfwlist/master/gfwlist.txt"
// then go settings to set automatic proxy to autoproxy.pac

sudo apt install proxychains
sudo vi /etc/proxychains.conf // then add SOCKS5 127.0.0.1 1080 to end of
the file
//test : proxychains curl www.google.com

```

- Install opencv 3.2.0

If you want to install OpenCV 3.1.0, there are at least 2 changes you need to do in the `graphcuts.cpp` and python's `common.make`, I spend 3 days to compile OpenCV 3.1.0 correctly, then I founded that using v3.2.0 is more convenient.

you just need to `git clone https://www.github.com/opencv/opencv.git` and `git clone https://www.github.com/opencv/opencv_contrib.git` to `$HOME/libs/`

then `git checkout 3.2.0`

```
cd opencv && mkdir build && cd build
```

```

pip install opencv-python // python程序导入cv2包时报错, version
`GLIBCXX_3.4.21' not found
sudo apt-get install --assume-yes build-essential cmake git
sudo apt-get install --assume-yes build-essential pkg-config unzip ffmpeg
qtbases5-dev python-dev python3-dev python-numpy python3-numpy
sudo apt-get install --assume-yes libopencv-dev libgtk-3-dev libdc1394-22
libdc1394-22-dev libjpeg-dev libpng12-dev libtiff5-dev libjasper-dev
sudo apt-get install --assume-yes libavcodec-dev libavformat-dev
libscales-dev libxine2-dev libgstreamer0.10-dev libgstreamer-plugins-
base0.10-dev
sudo apt-get install --assume-yes libv4l-dev libtbb-dev libfaac-dev
libmp3lame-dev libopencore-amrnb-dev libopencore-amrwb-dev libtheora-dev
sudo apt-get install --assume-yes libvorbis-dev libxvidcore-dev v4l-utils

sudo apt-get install git make cmake automake build-essential \
libssl-dev zlib1g-dev libbz2-dev \
libreadline-dev libsqlite3-dev wget curl llvm libncurses5-dev
libncursesw5-dev xz-utils \
libopenblas-dev liblapack-dev \
libdc1394-22 libdc1394-22-dev libjpeg-dev libpng12-dev libtiff5-dev
libjasper-dev libgtk2.0-dev\
libavcodec-dev libavformat-dev libscales-dev libxine2-dev
libgstreamer0.10-dev \
libgstreamer-plugins-base0.10-dev libv4l-dev libtbb-dev libqt4-dev
libfaac-dev \
libmp3lame-dev libopencore-amrnb-dev libopencore-amrwb-dev libtheora-dev
libvorbis-dev \
libxvidcore-dev x264 v4l-utils unzip \

```

```
libhdf5-dev \
qt5-default qttools5-dev-tools libqt5opengl5-dev \
libgstreamer1.0-dev libgstreamer-plugins-base1.0-dev
```

```
sudo apt-get install build-essential
sudo apt-get install cmake git libgtk2.0-dev pkg-config libavcodec-dev
libavformat-dev libswscale-dev
sudo apt-get install python-dev python-numpy libtbb2 libtbb-dev libjpeg-
dev libpng-dev libtiff-dev libjasper-dev libdc1394-22-dev
sudo apt-get install --assume-yes libopencv-dev libdc1394-22 libdc1394-22-
dev libjpeg-dev libpng12-dev libtiff5-dev libjasper-dev libavcodec-dev
libavformat-dev libswscale-dev libxine2-dev libgstreamer0.10-dev
libgstreamer-plugins-base0.10-dev libv4l-dev libtbb-dev libqt4-dev
libfaac-dev libmp3lame-dev libopencore-amrnb-dev libopencore-amrwb-dev
libtheora-dev libvorbis-dev libxvidcore-dev x264 v4l-utils unzip
sudo apt-get install ffmpeg libopencv-dev libgtk-3-dev python-numpy
python3-numpy libdc1394-22 libdc1394-22-dev libjpeg-dev libpng12-dev
libtiff5-dev libjasper-dev libavcodec-dev libavformat-dev libswscale-dev
libxine2-dev libgstreamer1.0-dev libgstreamer-plugins-base1.0-dev libv4l-
dev libtbb-dev qtbase5-dev libfaac-dev libmp3lame-dev libopencore-amrnb-
dev
```

```
proxchains cmake -D CMAKE_INSTALL_PREFIX=/usr/local \
-D WITH_CUDA=ON \
-D WITH_QT=OFF \
-D WITH_OPENGL=ON \
-D OPENCV_EXTRA_MODULES_PATH=/home/poodar/libs/opencv_contrib/modules \
-D ENABLE_FAST_MATH=ON \
-D CUDA_FAST_MATH=ON \
-D CUDA_NVCC_FLAGS="-D_FORCE_INLINES" \
-D WITH_CUBLAS=ON \
-D BUILD_OPENCV_PYTHON3=ON \
-D PYTHON3_EXECUTABLE=/home/poodar/libs/anaconda3/bin/python \
-D PYTHON3_INCLUDE_PATH=/home/poodar/libs/anaconda3/include/python3.6m \
-D PYTHON3_LIBRARIES=/home/poodar/libs/anaconda3/lib/python3.6/site-
packages \
-D OPENCV_ENABLE_NONFREE=ON \
-D WITH_TBB=ON \
-D WITH_V4L=ON \
-D INSTALL_C_EXAMPLES=OFF \
-D BUILD_SHARED_LIBS=ON \
..
// you need to carefully check the cmake output to install every NOT FOUND
lib.
// the last one sys/videoio.h can be ignored, it don't intervere
compilation
```

```

// if you use opencv 3.1.0, you can find some help here:
https://zhuanlan.zhihu.com/p/25709284

make -j8

sudo make install -j8

export PYTHONPATH=$PYTHONPATH:/path/to/opencv/build/lib/python3

// test
ipython
import cv2
cv2.__version__

```

the output is like:

```

ProxyChains-3.1 (http://proxychains.sf.net)
-- The CXX compiler identification is GNU 5.4.0
-- The C compiler identification is GNU 5.4.0
-- Check for working CXX compiler: /usr/bin/c++
-- Check for working CXX compiler: /usr/bin/c++ -- works
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- Detecting CXX compile features
-- Detecting CXX compile features - done
-- Check for working C compiler: /usr/bin/cc
-- Check for working C compiler: /usr/bin/cc -- works
-- Detecting C compiler ABI info
-- Detecting C compiler ABI info - done
-- Detecting C compile features
-- Detecting C compile features - done
-- Detected version of GNU GCC: 54 (504)
-- Found PythonInterp: /home/poodar/libs/anaconda/bin/python (found suitable
version "2.7.13", minimum required is "2.7")
-- Found PythonLibs: /home/poodar/libs/anaconda/lib/libpython2.7.so (found
suitable exact version "2.7.13")
-- Found PythonInterp: /usr/bin/python3 (found suitable version "3.5.2",
minimum required is "3.4")
-- Found PythonLibs: /usr/lib/x86_64-linux-gnu/libpython3.5m.so (found
suitable exact version "3.5.2")
-- Performing Test HAVE_CXX_FSIGNED_CHAR
-- Performing Test HAVE_CXX_FSIGNED_CHAR - Success
-- Performing Test HAVE_C_FSIGNED_CHAR
-- Performing Test HAVE_C_FSIGNED_CHAR - Success
-- Performing Test HAVE_CXX_W
-- Performing Test HAVE_CXX_W - Success
-- Performing Test HAVE_C_W

```

```
-- Performing Test HAVE_C_W - Success
-- Performing Test HAVE_CXX_WALL
-- Performing Test HAVE_CXX_WALL - Success
-- Performing Test HAVE_C_WALL
-- Performing Test HAVE_C_WALL - Success
-- Performing Test HAVE_CXX_WERROR_RETURN_TYPE
-- Performing Test HAVE_CXX_WERROR_RETURN_TYPE - Success
-- Performing Test HAVE_C_WERROR_RETURN_TYPE
-- Performing Test HAVE_C_WERROR_RETURN_TYPE - Success
-- Performing Test HAVE_CXX_WERROR_NON_VIRTUAL_DTOR
-- Performing Test HAVE_CXX_WERROR_NON_VIRTUAL_DTOR - Success
-- Performing Test HAVE_C_WERROR_NON_VIRTUAL_DTOR
-- Performing Test HAVE_C_WERROR_NON_VIRTUAL_DTOR - Success
-- Performing Test HAVE_CXX_WERROR_ADDRESS
-- Performing Test HAVE_CXX_WERROR_ADDRESS - Success
-- Performing Test HAVE_C_WERROR_ADDRESS
-- Performing Test HAVE_C_WERROR_ADDRESS - Success
-- Performing Test HAVE_CXX_WERROR_SEQUENCE_POINT
-- Performing Test HAVE_CXX_WERROR_SEQUENCE_POINT - Success
-- Performing Test HAVE_C_WERROR_SEQUENCE_POINT
-- Performing Test HAVE_C_WERROR_SEQUENCE_POINT - Success
-- Performing Test HAVE_CXX_WFORMAT
-- Performing Test HAVE_CXX_WFORMAT - Success
-- Performing Test HAVE_C_WFORMAT
-- Performing Test HAVE_C_WFORMAT - Success
-- Performing Test HAVE_CXX_WERROR_FORMAT_SECURITY
-- Performing Test HAVE_CXX_WERROR_FORMAT_SECURITY - Success
-- Performing Test HAVE_C_WERROR_FORMAT_SECURITY
-- Performing Test HAVE_C_WERROR_FORMAT_SECURITY - Success
-- Performing Test HAVE_CXX_WMISSING_DECLARATIONS
-- Performing Test HAVE_CXX_WMISSING_DECLARATIONS - Success
-- Performing Test HAVE_C_WMISSING_DECLARATIONS
-- Performing Test HAVE_C_WMISSING_DECLARATIONS - Success
-- Performing Test HAVE_CXX_WMISSING_PROTOTYPES
-- Performing Test HAVE_CXX_WMISSING_PROTOTYPES - Failed
-- Performing Test HAVE_C_WMISSING_PROTOTYPES
-- Performing Test HAVE_C_WMISSING_PROTOTYPES - Success
-- Performing Test HAVE_CXX_WSTRICT_PROTOTYPES
-- Performing Test HAVE_CXX_WSTRICT_PROTOTYPES - Failed
-- Performing Test HAVE_C_WSTRICT_PROTOTYPES
-- Performing Test HAVE_C_WSTRICT_PROTOTYPES - Success
-- Performing Test HAVE_CXX_WUNDEF
-- Performing Test HAVE_CXX_WUNDEF - Success
-- Performing Test HAVE_C_WUNDEF
-- Performing Test HAVE_C_WUNDEF - Success
-- Performing Test HAVE_CXX_WINIT_SELF
-- Performing Test HAVE_CXX_WINIT_SELF - Success
-- Performing Test HAVE_C_WINIT_SELF
-- Performing Test HAVE_C_WINIT_SELF - Success
```

```
-- Performing Test HAVE_CXX_WPOINTER_ARITH
-- Performing Test HAVE_CXX_WPOINTER_ARITH - Success
-- Performing Test HAVE_C_WPOINTER_ARITH
-- Performing Test HAVE_C_WPOINTER_ARITH - Success
-- Performing Test HAVE_CXX_WSHADOW
-- Performing Test HAVE_CXX_WSHADOW - Success
-- Performing Test HAVE_C_WSHADOW
-- Performing Test HAVE_C_WSHADOW - Success
-- Performing Test HAVE_CXX_WSIGN_PROMO
-- Performing Test HAVE_CXX_WSIGN_PROMO - Success
-- Performing Test HAVE_C_WSIGN_PROMO
-- Performing Test HAVE_C_WSIGN_PROMO - Failed
-- Performing Test HAVE_CXX_WNO_NARROWING
-- Performing Test HAVE_CXX_WNO_NARROWING - Success
-- Performing Test HAVE_C_WNO_NARROWING
-- Performing Test HAVE_C_WNO_NARROWING - Success
-- Performing Test HAVE_CXX_WNO_DELETE_NON_VIRTUAL_DTOR
-- Performing Test HAVE_CXX_WNO_DELETE_NON_VIRTUAL_DTOR - Success
-- Performing Test HAVE_C_WNO_DELETE_NON_VIRTUAL_DTOR
-- Performing Test HAVE_C_WNO_DELETE_NON_VIRTUAL_DTOR - Failed
-- Performing Test HAVE_CXX_WNO_UNNAMED_TYPE_TEMPLATE_ARGS
-- Performing Test HAVE_CXX_WNO_UNNAMED_TYPE_TEMPLATE_ARGS - Failed
-- Performing Test HAVE_C_WNO_UNNAMED_TYPE_TEMPLATE_ARGS
-- Performing Test HAVE_C_WNO_UNNAMED_TYPE_TEMPLATE_ARGS - Failed
-- Performing Test HAVE_CXX_WNO_COMMENT
-- Performing Test HAVE_CXX_WNO_COMMENT - Success
-- Performing Test HAVE_C_WNO_COMMENT
-- Performing Test HAVE_C_WNO_COMMENT - Success
-- Performing Test HAVE_CXX_FDIAGNOSTICS_SHOW_OPTION
-- Performing Test HAVE_CXX_FDIAGNOSTICS_SHOW_OPTION - Success
-- Performing Test HAVE_C_FDIAGNOSTICS_SHOW_OPTION
-- Performing Test HAVE_C_FDIAGNOSTICS_SHOW_OPTION - Success
-- Performing Test HAVE_CXX_WNO_LONG_LONG
-- Performing Test HAVE_CXX_WNO_LONG_LONG - Success
-- Performing Test HAVE_C_WNO_LONG_LONG
-- Performing Test HAVE_C_WNO_LONG_LONG - Success
-- Performing Test HAVE_CXX_PTHREAD
-- Performing Test HAVE_CXX_PTHREAD - Success
-- Performing Test HAVE_C_PTHREAD
-- Performing Test HAVE_C_PTHREAD - Success
-- Performing Test HAVE_CXX_FOMIT_FRAME_POINTER
-- Performing Test HAVE_CXX_FOMIT_FRAME_POINTER - Success
-- Performing Test HAVE_C_FOMIT_FRAME_POINTER
-- Performing Test HAVE_C_FOMIT_FRAME_POINTER - Success
-- Performing Test HAVE_CXX_FFAST_MATH
-- Performing Test HAVE_CXX_FFAST_MATH - Success
-- Performing Test HAVE_C_FFAST_MATH
-- Performing Test HAVE_C_FFAST_MATH - Success
-- Performing Test HAVE_CXX_FFUNCTION_SECTIONS
```

```
-- Performing Test HAVE_CXX_FFUNCTION_SECTIONS - Success
-- Performing Test HAVE_C_FFUNCTION_SECTIONS
-- Performing Test HAVE_C_FFUNCTION_SECTIONS - Success
-- Performing Test HAVE_CXX_MSSE (check file: cmake/checks/cpu_sse.cpp)
-- Performing Test HAVE_CXX_MSSE - Success
-- Performing Test HAVE_CXX_MSSE2 (check file: cmake/checks/cpu_sse2.cpp)
-- Performing Test HAVE_CXX_MSSE2 - Success
-- Performing Test HAVE_CXX_MSSE3 (check file: cmake/checks/cpu_sse3.cpp)
-- Performing Test HAVE_CXX_MSSE3 - Success
-- Performing Test HAVE_CXX_MSSSE3 (check file: cmake/checks/cpu_ssse3.cpp)
-- Performing Test HAVE_CXX_MSSSE3 - Success
-- Performing Test HAVE_CXX_MSSE4_1 (check file: cmake/checks/cpu_sse41.cpp)
-- Performing Test HAVE_CXX_MSSE4_1 - Success
-- Performing Test HAVE_CXX_MPOPCNT (check file: cmake/checks/cpu_popcnt.cpp)
-- Performing Test HAVE_CXX_MPOPCNT - Success
-- Performing Test HAVE_CXX_MSSE4_2 (check file: cmake/checks/cpu_sse42.cpp)
-- Performing Test HAVE_CXX_MSSE4_2 - Success
-- Performing Test HAVE_CXX_MF16C (check file: cmake/checks/cpu_fp16.cpp)
-- Performing Test HAVE_CXX_MF16C - Success
-- Performing Test HAVE_CXX_MFMA
-- Performing Test HAVE_CXX_MFMA - Success
-- Performing Test HAVE_CXX_MAVX (check file: cmake/checks/cpu_avx.cpp)
-- Performing Test HAVE_CXX_MAVX - Success
-- Performing Test HAVE_CXX_MAVX2 (check file: cmake/checks/cpu_avx2.cpp)
-- Performing Test HAVE_CXX_MAVX2 - Success
-- Performing Test HAVE_CPU_BASELINE_FLAGS
-- Performing Test HAVE_CPU_BASELINE_FLAGS - Success
-- Performing Test HAVE_CPU_DISPATCH_FLAGS_SSE4_1
-- Performing Test HAVE_CPU_DISPATCH_FLAGS_SSE4_1 - Success
-- Performing Test HAVE_CPU_DISPATCH_FLAGS_FP16
-- Performing Test HAVE_CPU_DISPATCH_FLAGS_FP16 - Success
-- Performing Test HAVE_CPU_DISPATCH_FLAGS_AVX
-- Performing Test HAVE_CPU_DISPATCH_FLAGS_AVX - Success
-- Performing Test HAVE_CPU_DISPATCH_FLAGS_AVX2
-- Performing Test HAVE_CPU_DISPATCH_FLAGS_AVX2 - Success
-- Performing Test HAVE_CXX_FVISIBILITY_HIDDEN
-- Performing Test HAVE_CXX_FVISIBILITY_HIDDEN - Success
-- Performing Test HAVE_C_FVISIBILITY_HIDDEN
-- Performing Test HAVE_C_FVISIBILITY_HIDDEN - Success
-- Performing Test HAVE_CXX_FVISIBILITY_INLINES_HIDDEN
-- Performing Test HAVE_CXX_FVISIBILITY_INLINES_HIDDEN - Success
-- Performing Test HAVE_C_FVISIBILITY_INLINES_HIDDEN
-- Performing Test HAVE_C_FVISIBILITY_INLINES_HIDDEN - Failed
-- Looking for pthread.h
-- Looking for pthread.h - found
-- Check if the system is big endian
-- Searching 16 bit integer
-- Looking for sys/types.h
-- Looking for sys/types.h - found
```



```
-- Looking for stdint.h
-- Looking for stdint.h - found
-- Looking for stddef.h
-- Looking for stddef.h - found
-- Check size of unsigned short
-- Check size of unsigned short - done
-- Using unsigned short
-- Check if the system is big endian - little endian
-- Found ZLIB: /home/poodar/libs/anaconda/lib/libz.so (found suitable version
"1.2.8", minimum required is "1.2.3")
-- Found TIFF: /home/poodar/libs/anaconda/lib/libtiff.so (found version
"4.0.6")
-- Found JPEG: /home/poodar/libs/anaconda/lib/libjpeg.so
-- Performing Test HAVE_C_WNO_UNUSED_VARIABLE
-- Performing Test HAVE_C_WNO_UNUSED_VARIABLE - Success
-- Performing Test HAVE_C_WNO_UNUSED_FUNCTION
-- Performing Test HAVE_C_WNO_UNUSED_FUNCTION - Success
-- Performing Test HAVE_C_WNO_SHADOW
-- Performing Test HAVE_C_WNO_SHADOW - Success
-- Performing Test HAVE_C_WNO_MAYBE_UNINITIALIZED
-- Performing Test HAVE_C_WNO_MAYBE_UNINITIALIZED - Success
-- Found Jasper: /usr/lib/x86_64-linux-gnu/libjasper.so (found version
"1.900.1")
-- Found ZLIB: /home/poodar/libs/anaconda/lib/libz.so (found version "1.2.8")
-- Found PNG: /home/poodar/libs/anaconda/lib/libpng.so (found version
"1.6.27")
-- Looking for /home/poodar/libs/anaconda/include/libpng/png.h
-- Looking for /home/poodar/libs/anaconda/include/libpng/png.h - not found
-- Found OpenEXR: /usr/lib/x86_64-linux-gnu/libIlmImf.so
-- Checking for module 'gtk+-3.0'
-- Found gtk+-3.0, version 3.18.9
-- Checking for module 'gthread-2.0'
-- Found gthread-2.0, version 2.48.2
-- Checking for module 'gstreamer-base-1.0'
-- Found gstreamer-base-1.0, version 1.8.3
-- Checking for module 'gstreamer-video-1.0'
-- Found gstreamer-video-1.0, version 1.8.3
-- Checking for module 'gstreamer-app-1.0'
-- Found gstreamer-app-1.0, version 1.8.3
-- Checking for module 'gstreamer-riff-1.0'
-- Found gstreamer-riff-1.0, version 1.8.3
-- Checking for module 'gstreamer-pbutils-1.0'
-- Found gstreamer-pbutils-1.0, version 1.8.3
-- Checking for module 'libdc1394-2'
-- Found libdc1394-2, version 2.2.4
-- Looking for linux/videodev.h
-- Looking for linux/videodev.h - found
-- Looking for linux/videodev2.h
-- Looking for linux/videodev2.h - found
```

```

-- Looking for sys/videoio.h
-- Looking for sys/videoio.h - not found
-- Checking for modules 'libavcodec;libavformat;libavutil;libswscale'
-- Found libavcodec, version 56.60.100
-- Found libavformat, version 56.40.101
-- Found libavutil, version 54.31.100
-- Found libswscale, version 3.1.101
-- Checking for module 'libavresample'
-- Found libavresample, version 2.1.0
-- Checking for module 'libgphoto2'
-- Found libgphoto2, version 2.5.9
-- Found TBB: /usr/lib/x86_64-linux-gnu/libtbb.so
-- IPPICV: Download: ippicv_2017u2_lnx_intel64_20170418.tgz
|DNS-request| raw.githubusercontent.com
|S-chain|-<>-127.0.0.1:1080-<><>-4.2.2.2:53-<><>-OK
|DNS-response| raw.githubusercontent.com is 151.101.40.133
|S-chain|-<>-127.0.0.1:1080-<><>-151.101.40.133:443-<><>-OK
-- found Intel IPP (ICV version): 2017.0.2 [2017.0.2]
-- at: /home/poodar/libs/opencv/build/3rdparty/ippicv/ippicv_lnx
-- found Intel IPP IW binaries: 2017.0.2
-- at: /home/poodar/libs/opencv/build/3rdparty/ippicv/ippicv_lnx/./ippiw_lnx/
-- CUDA detected: 8.0
-- CUDA NVCC target flags: -D_FORCE_INLINES;-
gencode;arch=compute_20,code=sm_20;-gencode;arch=compute_30,code=sm_30;-
gencode;arch=compute_35,code=sm_35;-gencode;arch=compute_37,code=sm_37;-
gencode;arch=compute_50,code=sm_50;-gencode;arch=compute_52,code=sm_52;-
gencode;arch=compute_60,code=sm_60;-gencode;arch=compute_61,code=sm_61;-
D_FORCE_INLINES
-- Check size of int
-- Check size of int - done
-- Found MKL 2017.0.2 at: /opt/intel/mkl
-- LAPACK(MKL): LAPACK_LIBRARIES:
/home/poodar/libs/anaconda/lib/libmkl_intel_lp64.so;/home/poodar/libs/anaconda
/lib/libmkl_sequential.so;/home/poodar/libs/anaconda/lib/libmkl_core.so;/home/
poodar/libs/anaconda/lib/libmkl_intel_lp64.so;/home/poodar/libs/anaconda/lib/l
ibmkl_sequential.so;/home/poodar/libs/anaconda/lib/libmkl_core.so;/home/poodar
/libs/anaconda/lib/libmkl_intel_lp64.so;/home/poodar/libs/anaconda/lib/libmkl_
sequential.so;/home/poodar/libs/anaconda/lib/libmkl_core.so;-lpthread;-lm;-ldl
-- LAPACK(MKL): Support is enabled.
-- Could NOT find Doxygen (missing: DOXYGEN_EXECUTABLE)
-- Found JNI: /usr/lib/jvm/java-8-oracle/jre/lib/amd64/libjawt.so
-- Could NOT find Matlab (missing: MATLAB_MEX_SCRIPT MATLAB_INCLUDE_DIRS
MATLAB_ROOT_DIR MATLAB_LIBRARIES MATLAB_LIBRARY_DIRS MATLAB_MEXEXT MATLAB_ARCH
MATLAB_BIN)
-- VTK is not found. Please set -DVTK_DIR in CMake to VTK build directory, or
to VTK install subdirectory with VTKConfig.cmake file
-- Performing Test HAVE_CXX_WNO_UNDEF
-- Performing Test HAVE_CXX_WNO_UNDEF - Success
-- Performing Test HAVE_CXX_WNO_MISSING_DECLARATIONS

```

```
-- Performing Test HAVE_CXX_WNO_MISSING_DECLARATIONS - Success
-- Performing Test HAVE_CXX_WNO_SHADOW
-- Performing Test HAVE_CXX_WNO_SHADOW - Success
-- Performing Test HAVE_CXX_WNO_UNUSED_PARAMETER
-- Performing Test HAVE_CXX_WNO_UNUSED_PARAMETER - Success
-- Performing Test HAVE_CXX_WNO_UNINITIALIZED
-- Performing Test HAVE_CXX_WNO_UNINITIALIZED - Success
-- Performing Test HAVE_CXX_WNO_UNUSED_FUNCTION
-- Performing Test HAVE_CXX_WNO_UNUSED_FUNCTION - Success
-- Performing Test HAVE_CXX_WNO_UNUSED_VARIABLE
-- Performing Test HAVE_CXX_WNO_UNUSED_VARIABLE - Success
-- Performing Test HAVE_CXX_WNO_ENUM_COMPARE
-- Performing Test HAVE_CXX_WNO_ENUM_COMPARE - Success
-- Caffe: NO
-- Protobuf: YES
-- Glog: YES
-- PROTOBUF: Download: protobuf-cpp-3.1.0.tar.gz
|DNS-request| github.com
|S-chain|-<>-127.0.0.1:1080-<><>-4.2.2.2:53-<><>-OK
|DNS-response| github.com is 192.30.255.113
|S-chain|-<>-127.0.0.1:1080-<><>-192.30.255.113:443-<><>-OK
|DNS-request| github-cloud.s3.amazonaws.com
|S-chain|-<>-127.0.0.1:1080-<><>-4.2.2.2:53-<><>-OK
|DNS-response| github-cloud.s3.amazonaws.com is 52.216.17.112
|S-chain|-<>-127.0.0.1:1080-<><>-52.216.17.112:443-<><>-OK
-- tiny-dnn: Download: v1.0.0a3.tar.gz
|DNS-request| github.com
|S-chain|-<>-127.0.0.1:1080-<><>-4.2.2.2:53-<><>-OK
|DNS-response| github.com is 192.30.255.112
|S-chain|-<>-127.0.0.1:1080-<><>-192.30.255.112:443-<><>-OK
|DNS-request| codeload.github.com
|S-chain|-<>-127.0.0.1:1080-<><>-4.2.2.2:53-<><>-OK
|DNS-response| codeload.github.com is 192.30.253.121
|S-chain|-<>-127.0.0.1:1080-<><>-192.30.253.121:443-<><>-OK
-- Looking for tiny_dnn.h
-- Looking for tiny_dnn.h - found
-- Found tiny-dnn in: /home/poodar/libs/opencv/build/3rdparty/tinydnn/tiny-
dnn-1.0.0a3
-- Performing Test COMPILER_SUPPORTS_CXX11
-- Performing Test COMPILER_SUPPORTS_CXX11 - Success
-- Looking for pthread.h
-- Looking for pthread.h - found
-- Looking for pthread_create
-- Looking for pthread_create - found
-- Found Threads: TRUE
-- Performing Test COMPILER_HAS_SSE_FLAG
-- Performing Test COMPILER_HAS_SSE_FLAG - Success
-- Performing Test COMPILER_HAS_AVX_FLAG
-- Performing Test COMPILER_HAS_AVX_FLAG - Success
```

```
-- Performing Test COMPILER_HAS_AVX2_FLAG
-- Performing Test COMPILER_HAS_AVX2_FLAG - Success
-- Checking for one of the modules 'freetype2'
-- Checking for one of the modules 'harfbuzz'
-- freetype2: YES
-- harfbuzz: YES
-- Found HDF5:
/home/poodar/libs/anaconda/lib/libhdf5.so;/home/poodar/libs/anaconda/lib/libhdf5_hl.so;/home/poodar/libs/anaconda/lib/libhdf5.so;/usr/lib/x86_64-linux-gnu/librt.so;/usr/lib/x86_64-linux-gnu/libpthread.so;/home/poodar/libs/anaconda/lib/libz.so;/usr/lib/x86_64-linux-gnu/libdl.so;/usr/lib/x86_64-linux-gnu/libm.so (found version "1.8.17")
-- Performing Test HAVE_CXX_WNO_INVALID_OFFSETOF
-- Performing Test HAVE_CXX_WNO_INVALID_OFFSETOF - Success
-- No preference for use of exported gflags CMake configuration set, and no hints for include/library directories provided. Defaulting to preferring an installed/exported gflags CMake configuration if available.
-- Failed to find installed gflags CMake configuration, searching for gflags build directories exported with CMake.
-- Failed to find gflags - Failed to find an installed/exported CMake configuration for gflags, will perform search for installed gflags components.
-- Performing Test GFLAGS_IN_GOOGLE_NAMESPACE
-- Performing Test GFLAGS_IN_GOOGLE_NAMESPACE - Success
-- Checking SFM deps... TRUE
-- Module opencv_sfm disabled because the following dependencies are not found: Eigen
-- Performing Test HAVE_CXX_WNO_UNUSED_BUT_SET_VARIABLE
-- Performing Test HAVE_CXX_WNO_UNUSED_BUT_SET_VARIABLE - Success
-- Performing Test HAVE_CXX_WNO_PARENTHESES
-- Performing Test HAVE_CXX_WNO_PARENTHESES - Success
-- Performing Test HAVE_CXX_WNO_MAYBE_UNINITIALIZED
-- Performing Test HAVE_CXX_WNO_MAYBE_UNINITIALIZED - Success
-- Performing Test HAVE_CXX_WNO_SIGN_PROMO
-- Performing Test HAVE_CXX_WNO_SIGN_PROMO - Success
-- Performing Test HAVE_CXX_WNO_MISSING_PROTOTYPES
-- Performing Test HAVE_CXX_WNO_MISSING_PROTOTYPES - Failed
-- Performing Test HAVE_CXX_WNO_DEPRECATED
-- Performing Test HAVE_CXX_WNO_DEPRECATED - Success
-- Performing Test HAVE_CXX_WNO_UNUSED_LOCAL_TYPEDEFS
-- Performing Test HAVE_CXX_WNO_UNUSED_LOCAL_TYPEDEFS - Success
-- Performing Test HAVE_CXX_WNO_SIGN_COMPARE
-- Performing Test HAVE_CXX_WNO_SIGN_COMPARE - Success
-- Performing Test HAVE_CXX_WNO_TAUTOLOGICAL_UNDEFINED_COMPARE
-- Performing Test HAVE_CXX_WNO_TAUTOLOGICAL_UNDEFINED_COMPARE - Failed
-- Performing Test HAVE_CXX_WNO_IGNORED_QUALIFIERS
-- Performing Test HAVE_CXX_WNO_IGNORED_QUALIFIERS - Success
-- Performing Test HAVE_CXX_WNO_EXTRA
-- Performing Test HAVE_CXX_WNO_EXTRA - Success
-- Performing Test HAVE_CXX_WNO_UNUSED_CONST_VARIABLE
```

```
-- Performing Test HAVE_CXX_WNO_UNUSED_CONST_VARIABLE - Failed
-- Performing Test HAVE_CXX_WNO_DEPRECATED_DECLARATIONS
-- Performing Test HAVE_CXX_WNO_DEPRECATED_DECLARATIONS - Success
-- Looking for include file pthread.h
-- Looking for include file pthread.h - found
-- Torch importer has been enabled. To run the tests you have to install Torch
('th' executable should be available) and generate testdata using
opencv_extra/testdata/dnn/generate_torch_models.py script.
-- Looking for tiny_dnn.h
-- Looking for tiny_dnn.h - found
-- Found tiny-dnn in: /home/poodar/libs/opencv/build/3rdparty/tinydnn/tiny-
dnn-1.0.0a3
-- Performing Test HAVE_CXX_WNO_NON_VIRTUAL_DTOR
-- Performing Test HAVE_CXX_WNO_NON_VIRTUAL_DTOR - Success
-- freetype2: YES
-- harfbuzz: YES
-- Performing Test HAVE_CXX_WNO_OVERLOADED_VIRTUAL
-- Performing Test HAVE_CXX_WNO_OVERLOADED_VIRTUAL - Success
-- Checking for modules 'tesseract;lept'
-- No package 'tesseract' found
-- No package 'lept' found
-- Tesseract: NO
-- xfeatures2d/boostdesc: Download: boostdesc_bgm.i
|DNS-request| raw.githubusercontent.com
|S-chain|-<-127.0.0.1:1080-<><-4.2.2.2:53-<><-OK
|DNS-response| raw.githubusercontent.com is 151.101.40.133
|S-chain|-<-127.0.0.1:1080-<><-151.101.40.133:443-<><-OK
-- xfeatures2d/boostdesc: Download: boostdesc_bgm_bi.i
|DNS-request| raw.githubusercontent.com
|S-chain|-<-127.0.0.1:1080-<><-4.2.2.2:53-<><-OK
|DNS-response| raw.githubusercontent.com is 151.101.40.133
|S-chain|-<-127.0.0.1:1080-<><-151.101.40.133:443-<><-OK
-- xfeatures2d/boostdesc: Download: boostdesc_bgm_hd.i
|DNS-request| raw.githubusercontent.com
|S-chain|-<-127.0.0.1:1080-<><-4.2.2.2:53-<><-OK
|DNS-response| raw.githubusercontent.com is 151.101.40.133
|S-chain|-<-127.0.0.1:1080-<><-151.101.40.133:443-<><-OK
-- xfeatures2d/boostdesc: Download: boostdesc_binboost_064.i
|DNS-request| raw.githubusercontent.com
|S-chain|-<-127.0.0.1:1080-<><-4.2.2.2:53-<><-OK
|DNS-response| raw.githubusercontent.com is 151.101.40.133
|S-chain|-<-127.0.0.1:1080-<><-151.101.40.133:443-<><-OK
-- xfeatures2d/boostdesc: Download: boostdesc_binboost_128.i
|DNS-request| raw.githubusercontent.com
|S-chain|-<-127.0.0.1:1080-<><-4.2.2.2:53-<><-OK
|DNS-response| raw.githubusercontent.com is 151.101.40.133
|S-chain|-<-127.0.0.1:1080-<><-151.101.40.133:443-<><-OK
-- xfeatures2d/boostdesc: Download: boostdesc_binboost_256.i
|DNS-request| raw.githubusercontent.com
```

```

|S-chain|-<>-127.0.0.1:1080-<><>-4.2.2.2:53-<><>-OK
|DNS-response| raw.githubusercontent.com is 151.101.40.133
|S-chain|-<>-127.0.0.1:1080-<><>-151.101.40.133:443-<><>-OK
-- xfeatures2d/boostdesc: Download: boostdesc_lbgm.i
|DNS-request| raw.githubusercontent.com
|S-chain|-<>-127.0.0.1:1080-<><>-4.2.2.2:53-<><>-OK
|DNS-response| raw.githubusercontent.com is 151.101.40.133
|S-chain|-<>-127.0.0.1:1080-<><>-151.101.40.133:443-<><>-OK
-- xfeatures2d/vgg: Download: vgg_generated_48.i
|DNS-request| raw.githubusercontent.com
|S-chain|-<>-127.0.0.1:1080-<><>-4.2.2.2:53-<><>-OK
|DNS-response| raw.githubusercontent.com is 151.101.40.133
|S-chain|-<>-127.0.0.1:1080-<><>-151.101.40.133:443-<><>-OK
-- xfeatures2d/vgg: Download: vgg_generated_64.i
|DNS-request| raw.githubusercontent.com
|S-chain|-<>-127.0.0.1:1080-<><>-4.2.2.2:53-<><>-OK
|DNS-response| raw.githubusercontent.com is 151.101.40.133
|S-chain|-<>-127.0.0.1:1080-<><>-151.101.40.133:443-<><>-OK
-- xfeatures2d/vgg: Download: vgg_generated_80.i
|DNS-request| raw.githubusercontent.com
|S-chain|-<>-127.0.0.1:1080-<><>-4.2.2.2:53-<><>-OK
|DNS-response| raw.githubusercontent.com is 151.101.40.133
|S-chain|-<>-127.0.0.1:1080-<><>-151.101.40.133:443-<><>-OK
-- xfeatures2d/vgg: Download: vgg_generated_120.i
|DNS-request| raw.githubusercontent.com
|S-chain|-<>-127.0.0.1:1080-<><>-4.2.2.2:53-<><>-OK
|DNS-response| raw.githubusercontent.com is 151.101.40.133
|S-chain|-<>-127.0.0.1:1080-<><>-151.101.40.133:443-<><>-OK
-- Performing Test HAVE_CXX_WNO_UNUSED_PRIVATE_FIELD
-- Performing Test HAVE_CXX_WNO_UNUSED_PRIVATE_FIELD - Failed
--
-- General configuration for OpenCV 3.2.0-dev
=====
-- Version control: 3.2.0-520-g0457361
--
-- Extra modules:
-- Location (extra): /home/poodar/libs/opencv_contrib/modules
-- Version control (extra): 3.2.0-219-gda29f71
--
-- Platform:
-- Timestamp: 2017-05-03T14:44:51Z
-- Host: Linux 4.8.0-51-generic x86_64
-- CMake: 3.5.1
-- CMake generator: Unix Makefiles
-- CMake build tool: /usr/bin/make
-- Configuration: Release
--
-- CPU/HW features:
-- Baseline: SSE SSE2 SSE3 SSSE3

```

```

-- requested: SSSE3
-- Dispatched code generation: SSE4_1 FP16 AVX AVX2
-- requested: SSE4_1 AVX FP16 AVX2
-- SSE4_1 (0 files): + SSE4_1
-- FP16 (0 files): + SSE4_1 POPCNT SSE4_2 FP16 AVX
-- AVX (1 files): + SSE4_1 POPCNT SSE4_2 AVX
-- AVX2 (1 files): + SSE4_1 POPCNT SSE4_2 FP16 FMA3 AVX AVX2
--
-- C/C++:
-- Built as dynamic libs?: NO
-- C++ Compiler: /usr/bin/c++ (ver 5.4.0)
-- C++ flags (Release): -fPIC -fsigned-char -W -Wall -
Werror=return-type -Werror=non-virtual-dtor -Werror=address -Werror=sequence-
point -Wformat -Werror=format-security -Wmissing-declarations -Wundef -Winit-
self -Wpointer-arith -Wshadow -Wsign-promo -Wno-narrowing -Wno-delete-non-
virtual-dtor -Wno-comment -fdiagnostics-show-option -Wno-long-long -pthread -
fomit-frame-pointer -ffast-math -ffunction-sections -msse -msse2 -msse3 -
mssse3 -fvisibility=hidden -fvisibility-inlines-hidden -O3 -DNDEBUG -DNDEBUG
-- C++ flags (Debug): -fPIC -fsigned-char -W -Wall -
Werror=return-type -Werror=non-virtual-dtor -Werror=address -Werror=sequence-
point -Wformat -Werror=format-security -Wmissing-declarations -Wundef -Winit-
self -Wpointer-arith -Wshadow -Wsign-promo -Wno-narrowing -Wno-delete-non-
virtual-dtor -Wno-comment -fdiagnostics-show-option -Wno-long-long -pthread -
fomit-frame-pointer -ffast-math -ffunction-sections -msse -msse2 -msse3 -
mssse3 -fvisibility=hidden -fvisibility-inlines-hidden -g -O0 -DDEBUG -
D_DEBUG
-- C Compiler: /usr/bin/cc
-- C flags (Release): -fPIC -fsigned-char -W -Wall -
Werror=return-type -Werror=non-virtual-dtor -Werror=address -Werror=sequence-
point -Wformat -Werror=format-security -Wmissing-declarations -Wmissing-
prototypes -Wstrict-prototypes -Wundef -Winit-self -Wpointer-arith -Wshadow -
Wno-narrowing -Wno-comment -fdiagnostics-show-option -Wno-long-long -pthread -
fomit-frame-pointer -ffast-math -ffunction-sections -msse -msse2 -msse3 -
mssse3 -fvisibility=hidden -O3 -DNDEBUG -DNDEBUG
-- C flags (Debug): -fPIC -fsigned-char -W -Wall -
Werror=return-type -Werror=non-virtual-dtor -Werror=address -Werror=sequence-
point -Wformat -Werror=format-security -Wmissing-declarations -Wmissing-
prototypes -Wstrict-prototypes -Wundef -Winit-self -Wpointer-arith -Wshadow -
Wno-narrowing -Wno-comment -fdiagnostics-show-option -Wno-long-long -pthread -
fomit-frame-pointer -ffast-math -ffunction-sections -msse -msse2 -msse3 -
mssse3 -fvisibility=hidden -g -O0 -DDEBUG -D_DEBUG
-- Linker flags (Release):
-- Linker flags (Debug):
-- ccache: NO
-- Precompiled headers: YES

```







```

-- PNG: /home/poodar/libs/anaconda/lib/libpng.so
(ver 1.6.27)
-- TIFF: /home/poodar/libs/anaconda/lib/libtiff.so
(ver 42 - 4.0.6)
-- JPEG 2000: /usr/lib/x86_64-linux-gnu/libjasper.so
(ver 1.900.1)
-- OpenEXR: /usr/lib/x86_64-linux-gnu/libImath.so
/usr/lib/x86_64-linux-gnu/libIlmImf.so /usr/lib/x86_64-linux-gnu/libIex.so
/usr/lib/x86_64-linux-gnu/libHalf.so /usr/lib/x86_64-linux-gnu/libIlmThread.so
(ver 2.2.0)
-- GDAL: NO
-- GDCM: NO
--
-- Video I/O:
-- DC1394 1.x: NO
-- DC1394 2.x: YES (ver 2.2.4)
-- FFmpeg: YES
-- avcodec: YES (ver 56.60.100)
-- avformat: YES (ver 56.40.101)
-- avutil: YES (ver 54.31.100)
-- swscale: YES (ver 3.1.101)
-- avresample: YES (ver 2.1.0)
-- GStreamer:
-- base: YES (ver 1.8.3)
-- video: YES (ver 1.8.3)
-- app: YES (ver 1.8.3)
-- riff: YES (ver 1.8.3)
-- pbutils: YES (ver 1.8.3)
-- OpenNI: NO
-- OpenNI PrimeSensor Modules: NO
-- OpenNI2: NO
-- PvAPI: NO
-- GigeVisionSDK: NO
-- Aravis SDK: NO
-- UniCap: NO
-- UniCap ucil: NO
-- V4L/V4L2: YES/YES
-- XIMEA: NO
-- Xine: NO
-- gPhoto2: YES
--
-- Parallel framework: TBB (ver 4.4 interface 9002)
--
-- Other third-party libraries:
-- Use Intel IPP: 2017.0.2 [2017.0.2]
-- at:
/home/poodar/libs/opencv/build/3rdparty/ippicv/ippicv_lnx
-- Use Intel IPP IW: prebuilt binaries (2017.0.2)
-- Use Intel IPP Async: NO

```

```

-- Use VA: NO
-- Use Intel VA-API/OpenCL: NO
-- Use Lapack: YES
(/home/poodar/libs/anaconda/lib/libmkl_intel_lp64.so
/home/poodar/libs/anaconda/lib/libmkl_sequential.so
/home/poodar/libs/anaconda/lib/libmkl_core.so
/home/poodar/libs/anaconda/lib/libmkl_intel_lp64.so
/home/poodar/libs/anaconda/lib/libmkl_sequential.so
/home/poodar/libs/anaconda/lib/libmkl_core.so
/home/poodar/libs/anaconda/lib/libmkl_intel_lp64.so
/home/poodar/libs/anaconda/lib/libmkl_sequential.so
/home/poodar/libs/anaconda/lib/libmkl_core.so -lpthread -lm -ldl)
-- Use Eigen: NO
-- Use Cuda: YES (ver 8.0)
-- Use OpenCL: YES
-- Use OpenVX: NO
-- Use custom HAL: NO
--
-- NVIDIA CUDA
-- Use CUFFT: YES
-- Use CUBLAS: YES
-- USE NVCUVID: NO
-- NVIDIA GPU arch: 20 30 35 37 50 52 60 61
-- NVIDIA PTX archs:
-- Use fast math: YES
--
-- OpenCL: <Dynamic loading of OpenCL library>
-- Include path:
/home/poodar/libs/opencv/3rdparty/include/opencv/1.2
-- Use AMDFFT: NO
-- Use AMDBLAS: NO
--
-- Python 2:
-- Interpreter: /home/poodar/libs/anaconda/bin/python (ver
2.7.13)
-- Libraries:
/home/poodar/libs/anaconda/lib/python2.7/site-packages (ver 2.7.13)
-- numpy:
/home/poodar/libs/anaconda/lib/python2.7/site-packages/numpy/core/include (ver
1.11.3)
-- packages path: lib/python2.7/site-packages
--
-- Python 3:
-- Interpreter: /usr/bin/python3 (ver 3.5.2)
-- Libraries: /usr/lib/x86_64-linux-gnu/libpython3.5m.so
(ver 3.5.2)
-- numpy: /usr/lib/python3/dist-
packages/numpy/core/include (ver 1.11.0)
-- packages path: lib/python3.5/dist-packages

```

```
--
-- Python (for build): /home/poodar/libs/anaconda/bin/python
--
-- Java:
-- ant: NO
-- JNI: /usr/lib/jvm/java-8-oracle/include
-- /usr/lib/jvm/java-8-oracle/include/linux /usr/lib/jvm/java-8-oracle/include
-- Java wrappers: NO
-- Java tests: NO
--
-- Matlab: Matlab not found or implicitly disabled
--
-- Documentation:
-- Doxygen: NO
--
-- Tests and samples:
-- Tests: YES
-- Performance tests: YES
-- C/C++ Examples: NO
--
-- Install path: /usr/local
--
-- cvconfig.h is in: /home/poodar/libs/opencv/build
-- -----
--
-- Configuring done
-- Generating done
-- Build files have been written to: /home/poodar/libs/opencv/build
```

it may stuck at 99% of compiling, just be patient.

Good luck ~