La tzutalin / dlib-android



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androidstudio-examples	Refac	ctor folder structions				a year ago
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README.md	Upda	te README.md				3 months ago
build.py	Uploa	ad the first draft for CMakeLis	t			11 months ago

https://github.com/tzutalin/dlib-android

Remove wget command in envsetup.py



a year ago



dlib-android



Purpose

- Port dlib to Android platform
- You can build it to dynamic or static library for Android. You can also build dlib's sample to Android executable file.
- You can refer to dlib-android-app which demonstrates dlib-android features

Grab the source

```
$ git clone --recursive https://github.com/tzutalin/dlib-android.git
$ cd dlib-android
$ ./envsetup
```

Prerequisites

• Download Android-NDK from Android website.

After downloading, go to the directory to which you downloaded the package to extract it

Export ANDROID_NDK_HOME in ~/.bashrc \$ vim ~/.bashrc

```
export ANDROID_NDK_HOME=[NDK_PATH]/android-ndk-[version]
export PATH=$PATH:$ANDROID_NDK_HOME
```

- Install Android Debug Bride (ADB). You can download it via Android SDK Manager or \$ sudo apt-get install android-tools-adb
- · Prepare an Android device for test

Build JNI code and shared library for Android application

- You can change the compiler architecture in dlib-android/jni/Application.mk
- The way to build the shared library for Android application

```
$ cd [dlib-android]
$ python build.py
```

Alternative way to build native code and copy to the Android Studio's project manually:

```
$ cd [dlib-android]
$ ndk-build -j 2
$ cp -r libs/* androidstudio-examples/dlib-android-app/dlib/src/main/jniLibs
```

Run Android application

 Open Android Studio's projects in androidstudio-examples/dlib-android-app to run face detection, face landmark, and so on

Folder structure

Do you want to contribute

- If you have any improvement or you've found any bug, send a pull request with the code.
- Give me a star on this repository

Buy Me a Coffee

Future tasks

Add more examples to dlib-android-app