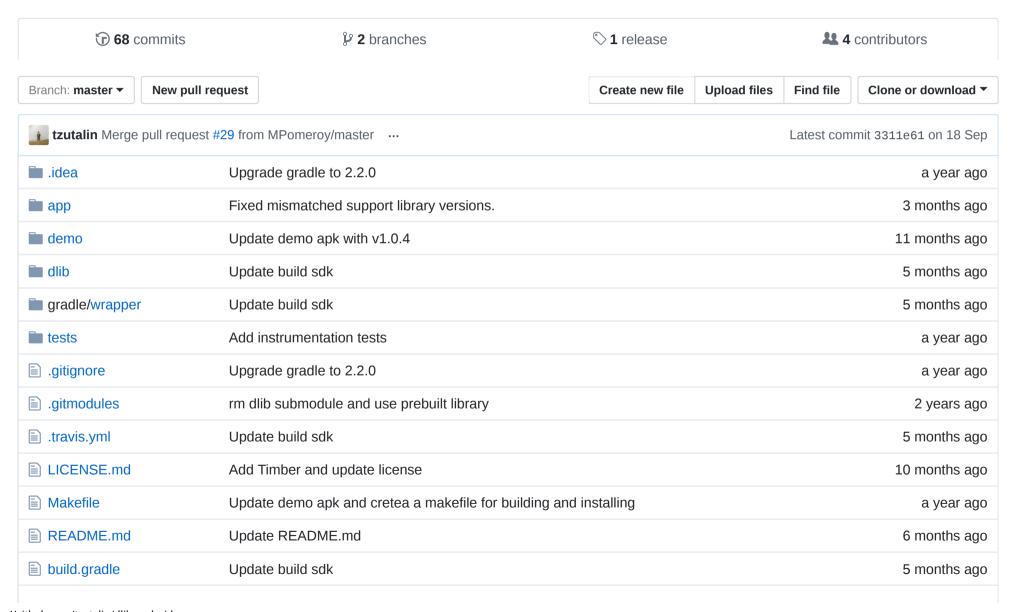📖 tzutalin / **dlib-android-app**

🐊 Android app to demo dlib-android(https://github.com/tzutalin/dlib-android). Use the prebuilt shared-lib built from dlib-android

⏱ **68** commits	⑂ **2** branches	🏷 **1** release	👥 **4** contributors

Branch: **master** ▾ | New pull request | | | Create new file | Upload files | Find file | Clone or download ▾

👤 **tzutalin** Merge pull request #29 from MPomeroy/master ⋯	Latest commit 3311e61 on 18 Sep

📁 .idea	Upgrade gradle to 2.2.0	a year ago
📁 app	Fixed mismatched support library versions.	3 months ago
📁 demo	Update demo apk with v1.0.4	11 months ago
📁 dlib	Update build sdk	5 months ago
📁 gradle/wrapper	Update build sdk	5 months ago
📁 tests	Add instrumentation tests	a year ago
📄 .gitignore	Upgrade gradle to 2.2.0	a year ago
📄 .gitmodules	rm dlib submodule and use prebuilt library	2 years ago
📄 .travis.yml	Update build sdk	5 months ago
📄 LICENSE.md	Add Timber and update license	10 months ago
📄 Makefile	Update demo apk and cretea a makefile for building and installing	a year ago
📄 README.md	Update README.md	6 months ago
📄 build.gradle	Update build sdk	5 months ago

📄 gradle.properties	Upload camera code	2 years ago
📄 gradlew	first commit	2 years ago
📄 gradlew.bat	first commit	2 years ago
📄 settings.gradle	Add dlib android lib	2 years ago

📖 **README.md**

dlib-android-app

`build passing` `Download 1.0.4`

See http://dlib.net for the main project documentation.

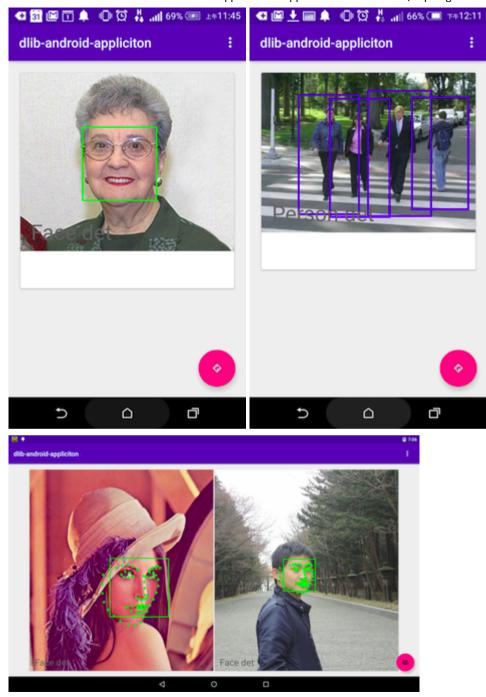See dlib-android for JNI lib. Refer to dlib-android/jni/jnilib_ex

Grap the source

```
$ git clone https://github.com/tzutalin/dlib-android-app.git
```

Features

- Support HOG detector

- HOG Face detection

- Facial Landmark/Expression

Demo

Build

Android app

- Open Android studio to build

- Use command line to build (Optional)

On Windows platforms, type this command:

```
$ gradlew.bat assembleDebug
```

On Mac OS and Linux platforms, type these commands:

```
$ ./gradlew assembleDebug

or

$ make ; make install
```

Update shared lib (Optional)

You can build shared library from dlib-android

Copy the shared libray to ./dlib/src/main/jniLibs/

Try directly

Install the apk

```
$ adb install demo/app-debug.apk
```

Otherwise, import the library to your build.gradle

```
repositories {
    maven {
        url 'https://dl.bintray.com/tzutalin/maven'
    }
}

dependencies {
    compile 'com.tzutalin.dlib-android-app:dlib:1.0.4'
}
```

Sample code

Facial landmark detection

```
FaceDet faceDet = new FaceDet(Constants.getFaceShapeModelPath());
Bitmap bitmap = BitmapFactory.decodeFile("Image Path");
```

```java
List<VisionDetRet> results = faceDet.detect(bitmap);
for (final VisionDetRet ret : results) {
    String label = ret.getLabel();
    int rectLeft = ret.getLeft();
    int rectTop = ret.getTop();
    int rectRight = ret.getRight();
    int rectBottom = ret.getBottom();
    // Get 68 landmark points
    ArrayList<Point> landmarks = ret.getFaceLandmarks();
    for (Point point : landmarks) {
        int pointX = point.x;
        int pointY = point.y;
    }
}
```

Pedestrian detection

```java
Pedestrian pedestrianDet = new PedestrianDet();
List<VisionDetRet> personList = pedestrianDet.detect(imgPath);
```

License

License