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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

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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	a year 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

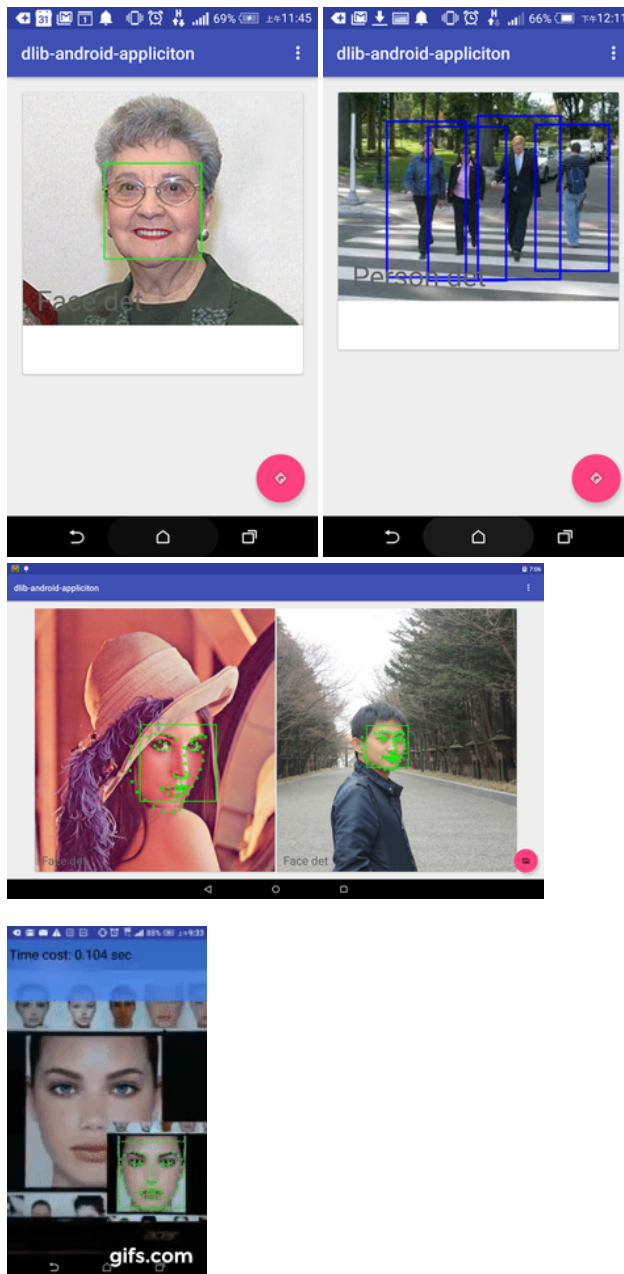
```
$ git clone https://github.com/tzutalin/dlib-android-app.git
```

#### 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 library 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");  
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

```
Pedestrian pedestrianDet = new PedestrianDet();
```

```
List<VisionDetRet> personList = pedestrianDet.detect(imgPath);
```

## License

[License](#)