

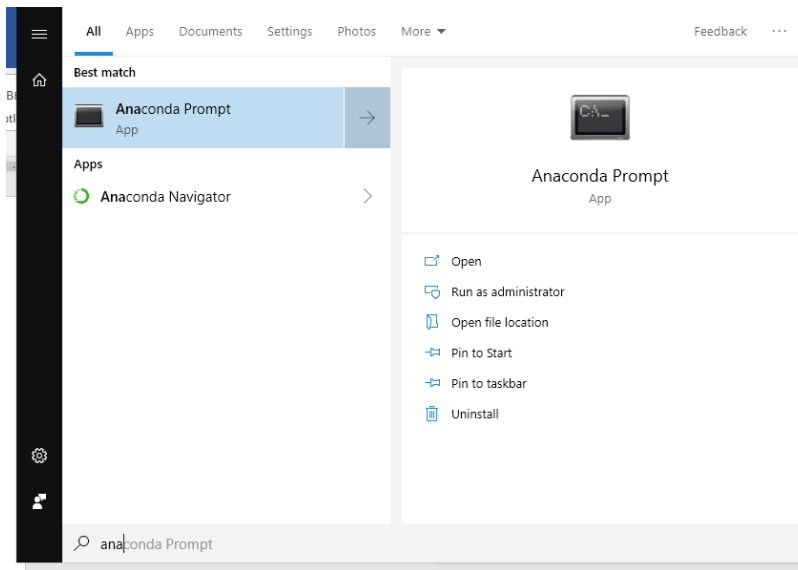
## Install Anaconda

Go to <https://www.anaconda.com/distribution/>

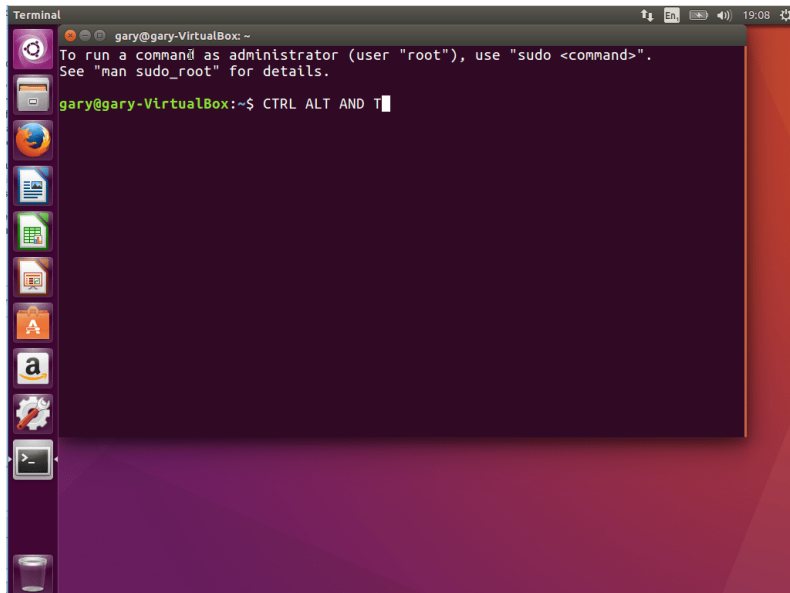
Download and Install 64bit Anaconda for your OS version (Windows, MacOS, or Linux)

## Open Anaconda at your local machine

In windows



In MacOS or Linux



## Get latest testing scripts and files from GitHub

### [Option A]

1. Install Git on your machine

Windows: <https://git-scm.com/>

MacOS: <https://www.atlassian.com/git/tutorials/install-git>

2. Open Command Prompt or Terminal
3. Go to a folder (e.g., github) you want to store the files from github

#### In Windows

```
> cd c:\github\
```

#### In MacOS or Linux

```
> cd /home/yourname/github
```

4. Then you can run

```
> git clone https://github.com/RyanLHU/MacauAIChallenge2019
```

5. Then you can run

All files will be kept in c:\github\MacauAIChallenge2019 (Windows) or  
/home/yourname/github/MacauAIChallenge2019 (MacOS or Linux)

### [Option B] Download the files directly from GitHub

Click on the “Clone or download” button, a zipped file will be stored in your computer. Unzip it into a folder you like (e.g., c:\github or /home/yourname/github).

The screenshot shows the GitHub repository page for **RyanLHU / MacauAIChallenge2019**. At the top, there are buttons for Unwatch (1), Star (4), and Fork (7). Below this is a navigation bar with links to Code, Issues (0), Pull requests (0), Projects (0), Wiki, Security, Insights, and Settings. The repository name is followed by the description "Macau AI Challenge 2019 - co-located with IJCAI 2019" and an "Edit" button. Below the description, it says "Manage topics". A summary bar shows 24 commits, 1 branch, 0 releases, and 2 contributors. Below this, there are buttons for "Branch: master", "New pull request", "Create new file", "Upload files", "Find File", and a highlighted "Clone or download" button. Below the buttons, there is a table of files and their commit history:

File	Commit	Time
workshop01	test	8 days ago
workshop02	update session4	6 days ago
.DS_Store	update session4	6 days ago
Online resources	Update Online resources	6 months ago

At the bottom, there is a blue box with the text "Help people interested in this repository understand your project by adding a README." and an "Add a README" button.

## Testing your trained model

### Setup Anaconda environment

- “test” is the name of the environment, feel free to update it

```
> conda create -n test python scikit-learn tensorflow keras  
pandas numpy
```

```
> conda activate test
```

```
> pip install opencv-python
```

```
> pip install pillow
```

Go to the folder you store the files from github, e.g.,

```
> cd c:\github\MacauAIChallenge2019\workshop02\session4
```

Unzip “eval\_random.zip”, “test\_eval.zip”, and “dataset.zip” into the same folder

You should see **the following files** in your folder

```
img\  
signs\  
result.csv  
eval.py  
test_eval.py
```

Run the test\_eval.py to get the testing result

```
> python test_eval.py
```



```
nameError: name 'img' is not defined  
  
(test) D:\Dropbox\UMAC\AI workshops\session4>python test_eval.py  
The accuracy is 1.62%  
  
(test) D:\Dropbox\UMAC\AI workshops\session4>
```

### More Notes

- You can try other evaluation scripts (e.g., eval\_session2.zip or eval\_session3.zip) by unpacking them into the same folder.
- For eval\_session3.zip, you need to download the model file (sign.h5) from Dropbox and put the file into the same folder.

## Submitting your evaluation script

Simply pack your “eval.py” and model files (e.g., MLmodel.pickle) into a zip file (e.g., eval\_lamhehe.zip).

- Upload the zip file into the evaluation platform
- Note that all files should be put in one zip file without any folder(s)

