**PYTHON ANNOTATION TOOL**

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**INSTALLATION GUIDE**

The following are the steps through which you execute installation.

For Windows/MacOS

1. First install Python. The latest version is preferred. Here the tool was created with and tested with Python 3.7 and 3.8. If you have Windows 10 then you can use the link mentioned below.
2. To reach the Python download page use:

<https://www.python.org/downloads/>

1. Drop down Downloads - based on whether you have MacOS or Windows choose from the options
2. Scroll down and choose the version with a web-based installer.
3. Once you download that, and click on the downloaded file and you will get the installer.
4. Select, “Add Pythonx.x to PATH” and then click on ‘Install Now'

NOTE: In case of any problem, you can watch this video which shows how installation can be done.

For Python3.8 (for Windows):

<https://www.youtube.com/watch?v=bnhQBUEpWlg>

For Python3.7 (for MacOS)

<https://www.youtube.com/watch?v=TgA4ObrowRg>

1. When you are installing Anaconda, you would notice that it comes with the latest python version. We will be creating an environment.
2. To install Anaconda, use the given website:

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

For Windows:

<https://www.anaconda.com/products/individual#windows>

For MacOS:

<https://www.anaconda.com/products/individual#macos>

For getting the respective installation guide, go to:

<https://docs.anaconda.com/anaconda/install/>

1. Choose Python version.

NOTE: There are couple of syntax difference between version 3 and 2. So make sure that you select 3.

1. Once the setup file has been downloaded,

Click on it ‘Click Next' to continue.

Then ‘I agree'.

For your personal laptop, go for ‘Just Me'.

Select the destination folder

In case you have previously installed Anaconda then only do you need to click on the first option of ‘Add anaconda to my PATH environment variable', hence you may choose just the second option.

Click on install

If asked whether you need some other info, you may ignore.

If you get stuck anywhere you can follow this video:

<https://www.youtube.com/watch?v=5mDYijMfSzs>

or

<https://www.youtube.com/watch?v=uOwCiZKj2rg> (Windows)

or

<https://www.youtube.com/watch?v=V6ZAv7hBH6Y> (MacOS)

1. Choose Anaconda Powershell Prompt from your Windows search.
2. Now you have to create an environment for the version of Python that you have installed previously. Use the following command. (you can also refer the website at “installing a different version of Python” -

<https://docs.conda.io/projects/conda/en/latest/user-guide/tasks/manage-python.html#using-a-different-version-of-python>

conda create -n pyold python=x.x anaconda

(give the version number in x.x)

1. If you prefer to have the version of Python that Anaconda provides then use the command

conda create -n pyold

NOTE: “pyold” is just name for the environment and you are free to change it based on your liking while you create this environment.

1. To get related information try:

<https://www.geeksforgeeks.org/set-up-virtual-environment-for-python-using-anaconda/>

1. Once you create the environment to the left most part of the command line you would either see (base) or (pyold) (if that’s the name you have selected). If it is (base) you need to activate the environment. To do that type

conda activate pyold (or the name that you have given for the environment)

1. Then type the following commands step by step. When asked yes or no just type y and press enter:
2. conda install -c anaconda numpy
3. conda install -c anaconda pyqt
4. conda install -c anaconda pyqtgraph
5. conda install -c anaconda pyopengl
6. conda install -c anaconda scipy
7. conda install pytorch torchvision cpuonly -c pytorch
8. conda install scikit-learn

NOTE: The command “e” may vary based on the settings of your computer. The above command is for a PC without GPU for Windows. pytorch command based on the command they provide after you choose the setting from the link provided here:

<https://pytorch.org/?utm_source=Google&utm_medium=PaidSearch&utm_campaign=%2A%2ALP+-+TM+-+General+-+HV+-+GER&utm_adgroup=Python+PyTorch&utm_keyword=%2Bpython%20%2Bpytorch&utm_offering=AI&utm_Product=PyTorch&gclid=EAIaIQobChMIq42qksno6wIVhuN3Ch1IzAgJEAAYASAAEgJ0l_D_BwE>

1. Now you are set to use the new annotation tool.

<https://github.com/wilfer9008/Annotation_Tool_LARa/blob/master/README.md>

1. Download the zip file, unzip it and keep it on the desktop for ease of use.
2. To use the tool first activate the environment. Then use “cd” command to choose the file where the tool’s main file is present.

eg:

cd '.\Desktop\Annotation\_Tool\_Python\_V125\src'

and activate the python application using the command

python main.py

NOTE: That ‘cd’ is used to change directory and ‘dir’ is used to list the documents there.