**INSTALL TENSOR FLOW IN WINDOWS:**

Download Anaconda for your platform and choose the **Python 3.6 version**: [https://www.anaconda.com/download](https://www.anaconda.com/download/#macos)

**# update conda in your default environment**   
*$ conda upgrade conda  
$ conda upgrade --all*

**# take a look at the environment you created**  
$ conda info$ conda list

**# install a package with conda and verify it's installed**  
$ conda install numpy$ conda list

**# take a look at the list of environments you currently have**  
$ conda info -e

**# remove an environment**  
$ conda env remove --name [my-env-name]

**Conda vs Pip install**

You can use either ***conda***or ***pip*** for installation in an virtual environment created with conda. They are both open source package managers. Here are some differences:

* ***conda install*** — installs any software package.
* ***pip install*** — installs python packages only and it’s the defacto python package manager.

### Install TensorFlow (including Keras)

Next we will install TenslowFlow in the virtual environment you created with conda. Note: we will be using **pip install** instead of conda install per the [TensorFlow official installation documentation](https://www.tensorflow.org/install/install_mac" \t "_blank).

**# install pip in the virtual environment**  
*$ conda install pip*

**# install Tensorflow**$pip install --upgrade tensorflow # for python 2.7  
$ pip3 install --upgrade tensorflow # for python 3.\*

# **install Keras (Note: please install TensorFlow first)**  
$ pip install Keras

**# create a simple TensorFlow program inside the python interactive shell**  
>>> import tensorflow as tf  
>>> hello = tf.constant('Hello, TensorFlow!')  
>>> sess = tf.Session()  
>>> print(sess.run(hello))

Or you can take help from:

<https://medium.com/@margaretmz/anaconda-jupyter-notebook-tensorflow-and-keras-b91f381405f8>

or

<https://www.tensorflow.org/install/>

## **Setup for Linux:**

sudo apt install python-dev python-pip  # or python3-dev python3-pip

Install the TensorFlow *pip* package dependencies (if using a virtual environment, omit the --user argument):

pip install -U --user pip six numpy wheel mock  
pip install -U --user keras\_applications==1.0.6 --no-deps  
pip install -U --user keras\_preprocessing==1.0.5 --no-deps

## **Setup for macOS:**

/usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"  
export PATH="/usr/local/bin:/usr/local/sbin:$PATH"  
brew install python@2  # or python (Python 3)

Install the TensorFlow *pip* package dependencies (if using a virtual environment, omit the --user argument):

pip install -U --user pip six numpy wheel mock  
pip install -U --user keras\_applications==1.0.6 --no-deps  
pip install -U --user keras\_preprocessing==1.0.5 --no-deps