

Python environment setup instructions on Windows 7 (32-bit)

Notebook: mikeroberts3000's notebook

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1. Install Windows 7 Professional 32-bit
2. Install Visual Studio 2008 Professional Edition
 - Download Link: <https://www.dreamspark.com/Product/Product.aspx?productid=1>
3. Install CUDA Toolkit 4.2.9 for Windows 32-bit
 - Download Link: http://developer.download.nvidia.com/compute/cuda/4_2/rel/toolkit/cudatoolkit_4.2.9_win_32.msi
4. Install CUDA Drivers 301.27 for Windows 32-bit Notebooks
 - Download Link: http://developer.download.nvidia.com/compute/cuda/4_2/rel/drivers/devdriver_4.2_winvista-win7_32_301.27_notebook.exe
5. Install Enthought Python Distribution (Academic) 7.3-2 for Python 2.7.3 Win32
 - Download Link: http://www.enthought.com/repo/hidden_epd_installers/epd-7.3-2-win-x86.msi
6. Install IPython 0.13 for Python 2.x Win32
 - Download Link: <https://github.com/downloads/ipython/ipython/ipython-0.13.py2-win32.exe>
 - Comment out this line "c.TerminalIPythonApp.extensions = ['kernmagic']" in the IPython profile config file
 - e.g., [C:\Users\mike\ipython\profile_default\ipython_config.py](#)
7. Install Scikits-image 0.6.1 for Python 2.7 Win32
 - Download Link: <http://www.lfd.uci.edu/~gohlke/pythonlibs/>
8. Install OpenCV 2.4.2 for Windows
 - Download Link: <http://downloads.sourceforge.net/project/opencvlibrary/opencv-win/2.4.2/OpenCV-2.4.2.exe>
 - Copy [C:\opencv\build\python\2.7\cv2.pyd](#) to [C:\Python27\Lib\site-packages](#)
9. Install PyCUDA 2012.1 for Python 2.7 Win32
 - Download Link: <http://www.lfd.uci.edu/~gohlke/pythonlibs/>
 - From a Windows Command Prompt, type the following:
 - C:\Users\mike>easy_install decorator
 - From a Windows Command Prompt, type the following:
 - C:\Users\mike>easy_install pytools
 - Append the following string to the Path environment variable:
 - C:\Program Files\Microsoft Visual Studio 9.0\VC\bin\;C:\Program Files\Microsoft Visual Studio 9.0\Common7\IDE;
 - As far as I know, this is the only way to tell PyCUDA where the native Visual Studio compiler lives