



安裝 Python Packages

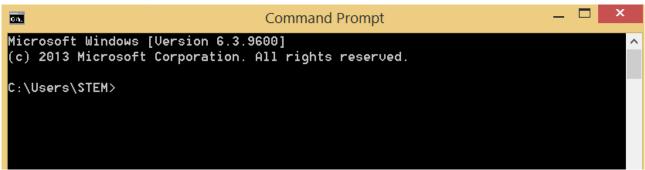
安裝 Computer Vision 相關 Packages

在 Python 中,安裝 Packages 最方便的方法是使用 pip (軟體包管理系統) 開啟 Command Prompt (Window) 或 Terminal (Mac)

1) 點擊開始



> 在搜索框中輸入 cmd, 然後按 Enter



② 安裝 numpy:

numpy 是一個開源科學計算 (scientific computing) 的 Package。

pip3 install numpy

(3)安裝 OpenCV:

OpenCV (Open Source Computer Vision Library) 是一個開源的電腦視覺的程式庫。

pip3 install opency-contrib-python

```
Command Prompt - pip3 install opency-contrib-python

Microsoft Windows [Version 6.3.9600]

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C:\Users\STEM>pip3 install opency-contrib-python

Collecting opency-contrib-python

Downloading https://files.pythonhosted.org/packages/ba/0d/40121ed697f6105b9ffa
fc0e455e955ba8cbff2dda239cf188d24525be5b/opency_contrib_python-4.1.1.26-cp36-cp3
6m-win_amd64.whl (45.4MB)

80% | 36.7MB 943kB/s eta 0:00:10
```

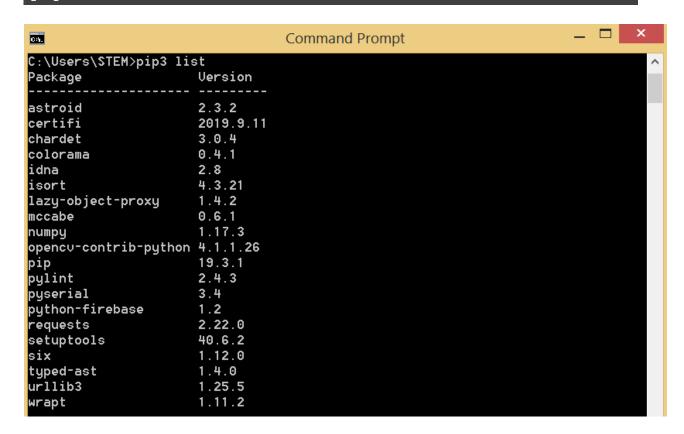






④ 使用 pip3 list ,列出安裝了的 Packages。

pip3 list



(5) 匯入 openCV 測試是否安裝成功。

```
python
import cv2
cv2.__version__
```

```
C:\Users\STEM>python
Python 3.6.8 (tags/v3.6.8:3c6b436a57, Dec 24 2018, 00:16:47) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import cv2
>>> cv2.__version__
'4.1.1'
>>> exit()
C:\Users\STEM>
```

