### Openpose 實測成功

OpenPose 安装(gtx1650+cuda10.1+cudnn7.6.0+anaconda3)

https://blog.csdn.net/qq 29567851/article/details/102728882

openpose 安裝與 python 應用

https://blog.csdn.net/suswulongyuan/article/details/103870250

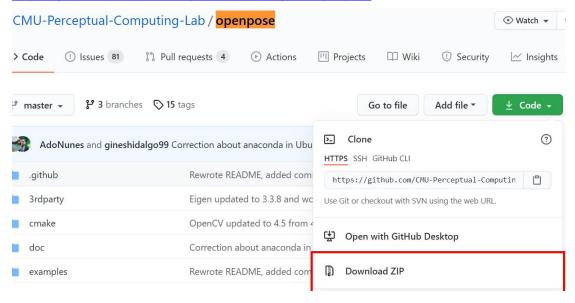
顯卡:Geforce GTX 1650 4G

安裝軟體及安裝順序:

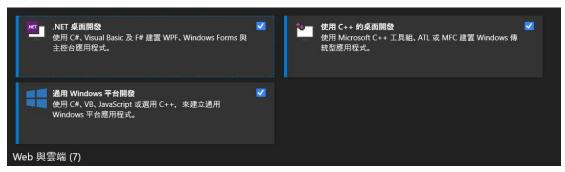
- (1)openpose github 官網版
- (2)visual studio Professional 2017 試用版
- (3)cuda\_10.0.130\_411.31\_win10
- (4)cudnn cudnn-10.0-windows10-x64-v7.6.2.24
- (5)下載模型
- (6)cmake 3.16.0-rc3

### step1. openpose github

https://github.com/CMU-Perceptual-Computing-Lab/openpose



### step2. visual studio Professional 2017 試用版安裝







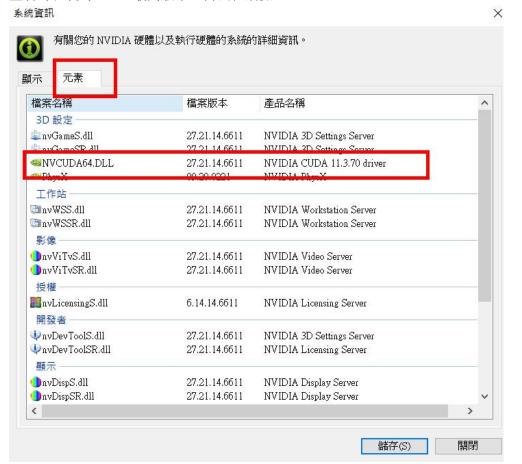
step3. cuda 去桌面,案右鍵,NVIDA 控制面板



### 按系統資訊



查看可以裝的 CUDA 最高版本,再去官網抓



https://developer.nvidia.com/cuda-toolkit-archive



Previous releases of the CUDA Toolkit, GPU Computing SDK, documentation and developer and be sure to check <a href="https://www.nvidia.com/drivers">www.nvidia.com/drivers</a> for more recent production drivers appropriat

### Download Latest CUDA Toolkit

### Latest Release

CUDA Toolkit 11.2.2 (March 2021), Versioned Online Documentation

#### Archived Releases

CUDA Toolkit 11.2.1 (Feb 2021), Versioned Online Documentation

CUDA Toolkit 11.2.0 (Dec 2020), Versioned Online Documentation

CUDA Toolkit 11.1.1 (Oct 2020), Versioned Online Documentation

CUDA Toolkit 11.1.0 (Sept 2020), Versioned Online Documentation

CUDA Toolkit 11.0 Update1 (Aug 2020), Versioned Online Documentation

CUDA Toolkit 11.0 (May 2020), Versioned Online Documentation

CUDA Toolkit 10.2 (Nov 2019), Versioned Online Documentation

CUDA Toolkit 10.1 update2 (Aug 2019), Versioned Online Documentation

CUDA Toolkit 10.1 update1 (May 2019), Versioned Online Documentation

CUDA Toolkit 10.1 (Feb 2019), Online Documentation

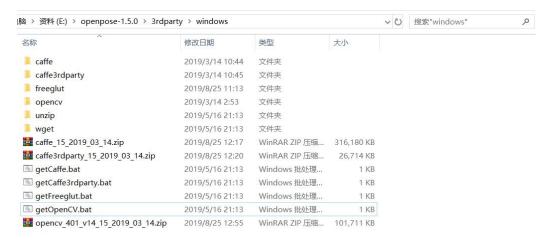
CUDA Toolkit 10.0 (Sept 2010), Online Documentation

### step4. CUDNN 下載,要先註冊 Nevida



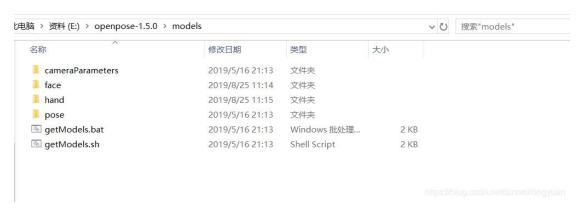
## step5.下载模型文件

1.按照目录打开文件:\openpose\3rdparty\windows 下找到四个.bat 批处理文件分别运行一次以自动下载所需环境。(我尝试的运行很慢,可以用浏览器下载,比较快一些)



https://blog.csdn.nel/suswulongvuan.

2.在\openpose\models 下找到 getModels.bat 批处理文件运行下载所需模型。



## step6. cmake 3.16.0-rc3-win64-x64.msi

# <mark>重點要 win64-x64.msi</mark>

← → C • cmake.org/files/v3.16/	
☐ CHICKC-3.10.0-103-EHIGA-A00_07.5H	Z017-10-31 12.07 30MI
cmake-3.16.0-rc3-Linux-x86_64.tar.gz	2019-10-31 12:10 38M
make-3.16.0-rc3-SHA-256.txt	2019-10-31 12:10 972
make-3.16.0-rc3-SHA-256.txt.asc	2019-10-31 12:10 833
make-3.16.0-rc3-win32-x86.msi	2019-10-31 12:10 21M
cmake-3.16.0-rc3-win32-x86.zip	2019-10-31 12:10 28M
make-3.16.0-rc3-win64-x64.msi	2019-10-31 12:10 23M
cmake-3.16.0-rc3-win64-x64.zip	2019-10-31 12:10 31M
cmake- <u>3.16</u> .0-rc3.tar.gz	2019-10-31 12:10 8.7M
cmake- <u>3.16</u> .0-rc3.zip	2019-10-31 12:10 14M
make-3.16.0-rc4-Darwin-x86_64.dmg	2019-11-18 17:01 35M
cmake-3.16.0-rc4-Darwin-x86_64.tar.gz	2019-11-18 17:01 34M
make-3.16.0-rc4-Linux-x86_64.sh	2019-11-18 17:01 38M
cmake- <u>3.16</u> .0-rc4-Linux-x86_64.tar.gz	2019-11-18 17:01 38M
make-3.16.0-rc4-SHA-256.txt	2019-11-18 17:01 972
make-3.16.0-rc4-SHA-256.txt.asc	2019-11-18 17:01 833
make-3.16.0-rc4-win32-x86.msi	2019-11-18 17:01 21M
cmake-3.16.0-rc4-win32-x86.zip	2019-11-18 17:01 28M
make-3.16.0-rc4-win64-x64.msi	2019-11-18 17:01 23M
cmake-3.16.0-rc4-win64-x64.zip	2019-11-18 17:01 31M
m.	

### cmake generate problem:

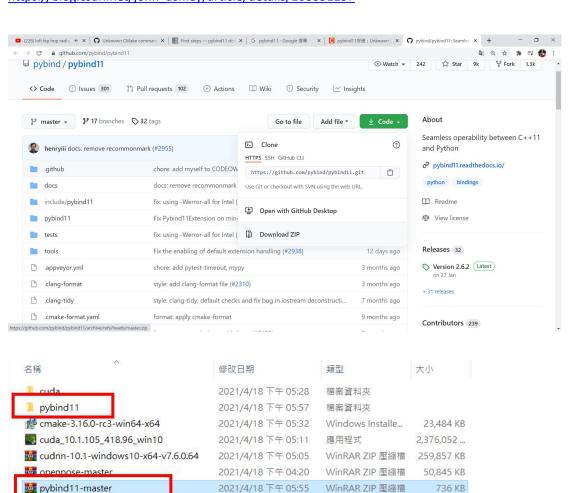


### Solve 載入 pybind11:

⋉ vs\_Professional

新文字文件

https://blog.csdn.net/john\_ashley/article/details/108831257



2021/4/18 下午 04:49

2021/4/18 下午 06:10

新增 Microsoft Word 97 - 2003 Docum... 2021/4/18 下午 05:44

應用程式

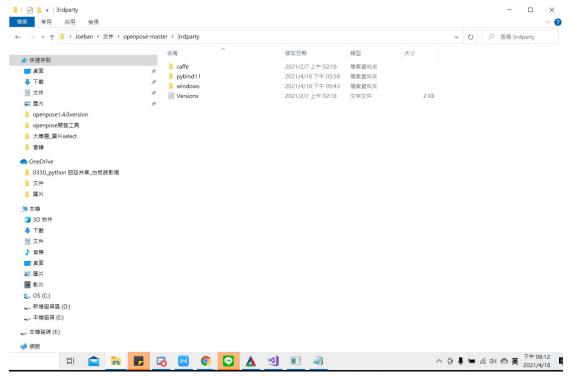
文字文件

Microsoft Word 9...

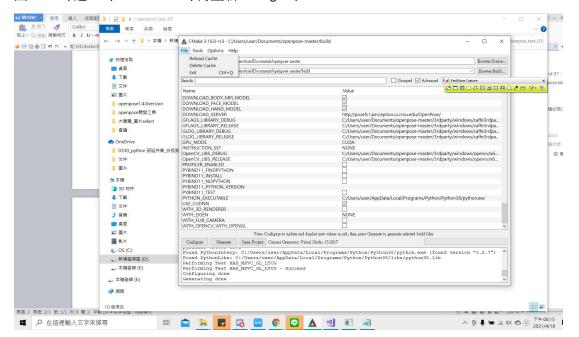
1,229 KB

0 KB

153 KB



## 回 cmake/選 File/Delete Cache/再重新 configure/ Generate



problem:

glob.dll was not found opencv\_world450.dll was not found gflags.dll was not found

solve:

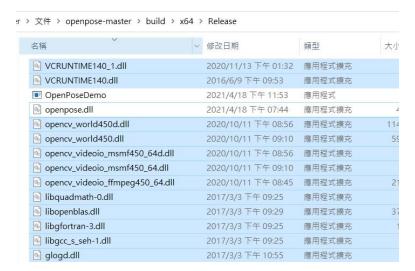
inside the bin directory - copy all of the dll files to the x64/release folder.

https://github.com/CMU-Perceptual-Computing-Lab/openpose/issues/547

### 複製 openpose-master\build\bin 全部檔案



貼到 openpose-master\build\x64\Release\資料夾內跟 openposedemo.exe 放一起



vs 2017 out of memory problem:

F0418 18:05:11.345847 14420 syncedmem.cpp:71] Check failed: error == cudaSuccess (2 vs. 0) out of memory

Ox00007FFD1ACE286E (ucrtbase.dll) (於 OpenPoseDemo.exe) 中發生未處理的例外狀況: 已要求嚴重的程式結束。

### solve:

https://blog.csdn.net/qq\_36834256/article/details/101114493

使用 openpose 出现 Check failed: error == cudaSuccess (2 vs. 0) out of memory 错误 https://www.codenong.com/cs109743387/

### cmd demo 版做法:

命令提示字元

```
licrosoft Windows [版本 10.0.19041.928]
c) Microsoft Corporation. 著作權所有・並保留一切權利。
::\Users\user>cd C:\Users\user\Documents\openpose-master
::\Users\user\Documents\openpose-master>build\x64\Release\OpenPoseDemo.exe --net_resolution 320x176
```

## 改 vs openposedempo.cpp 做法: