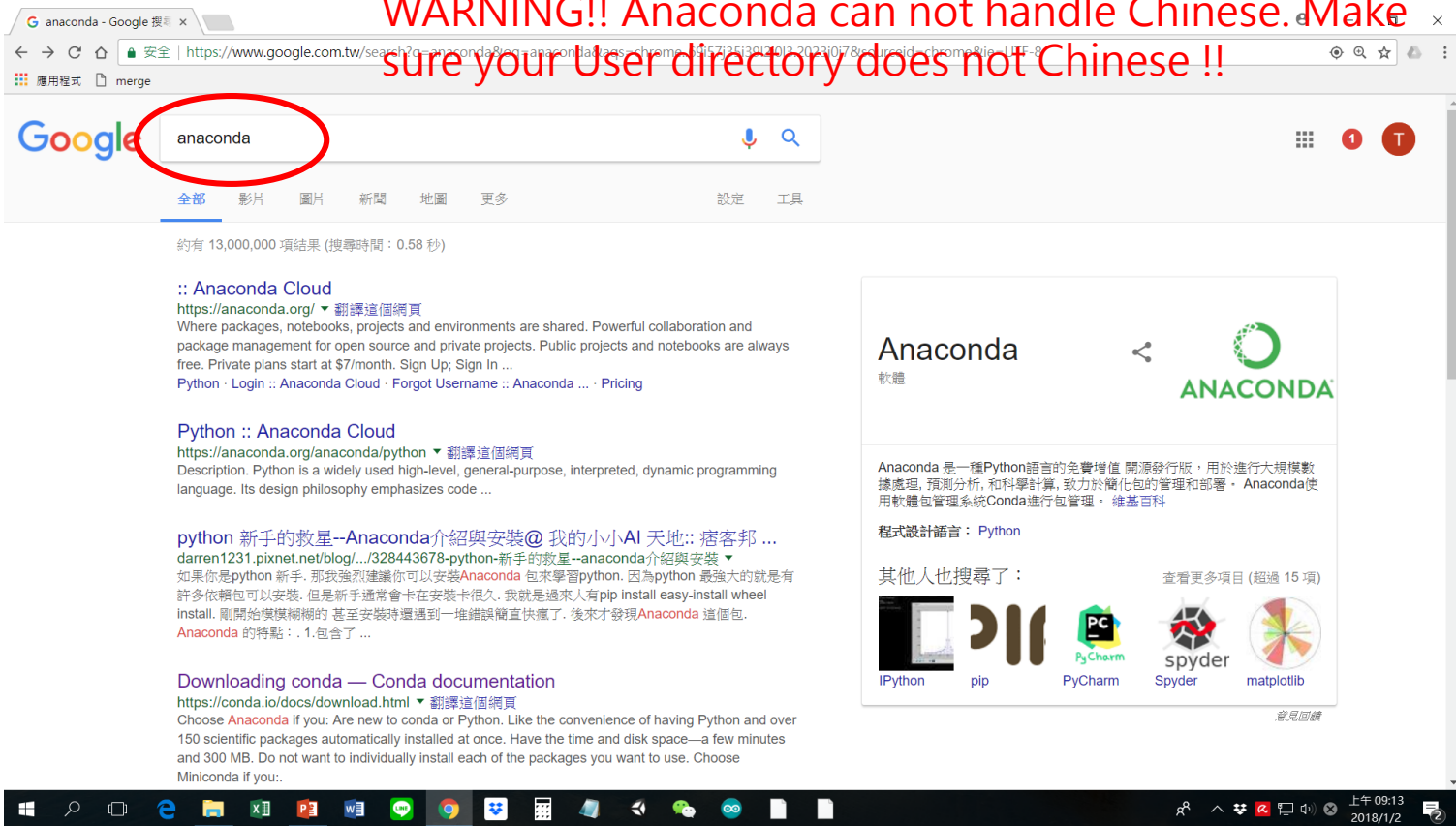
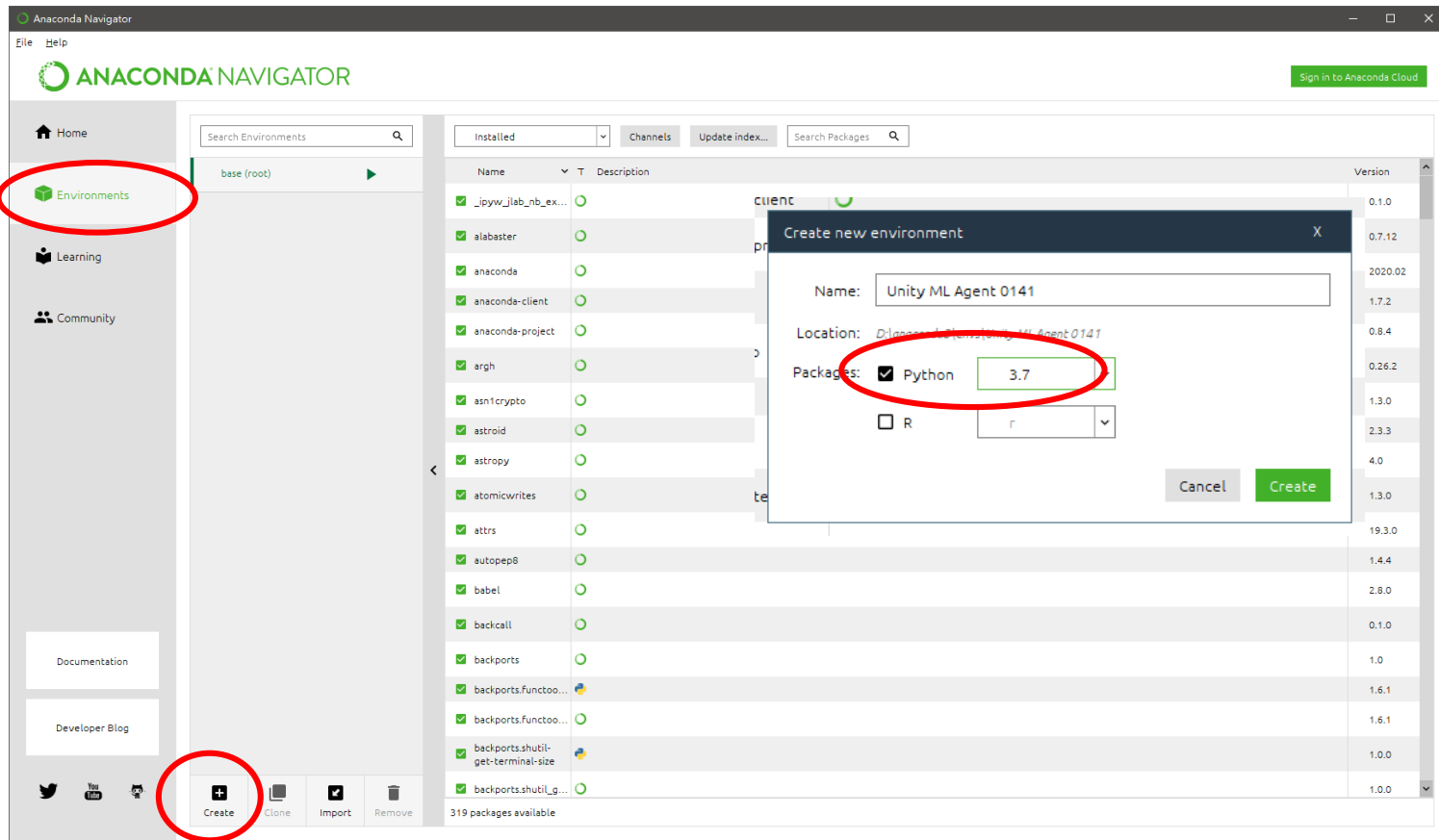


# 1. Download and install Anaconda

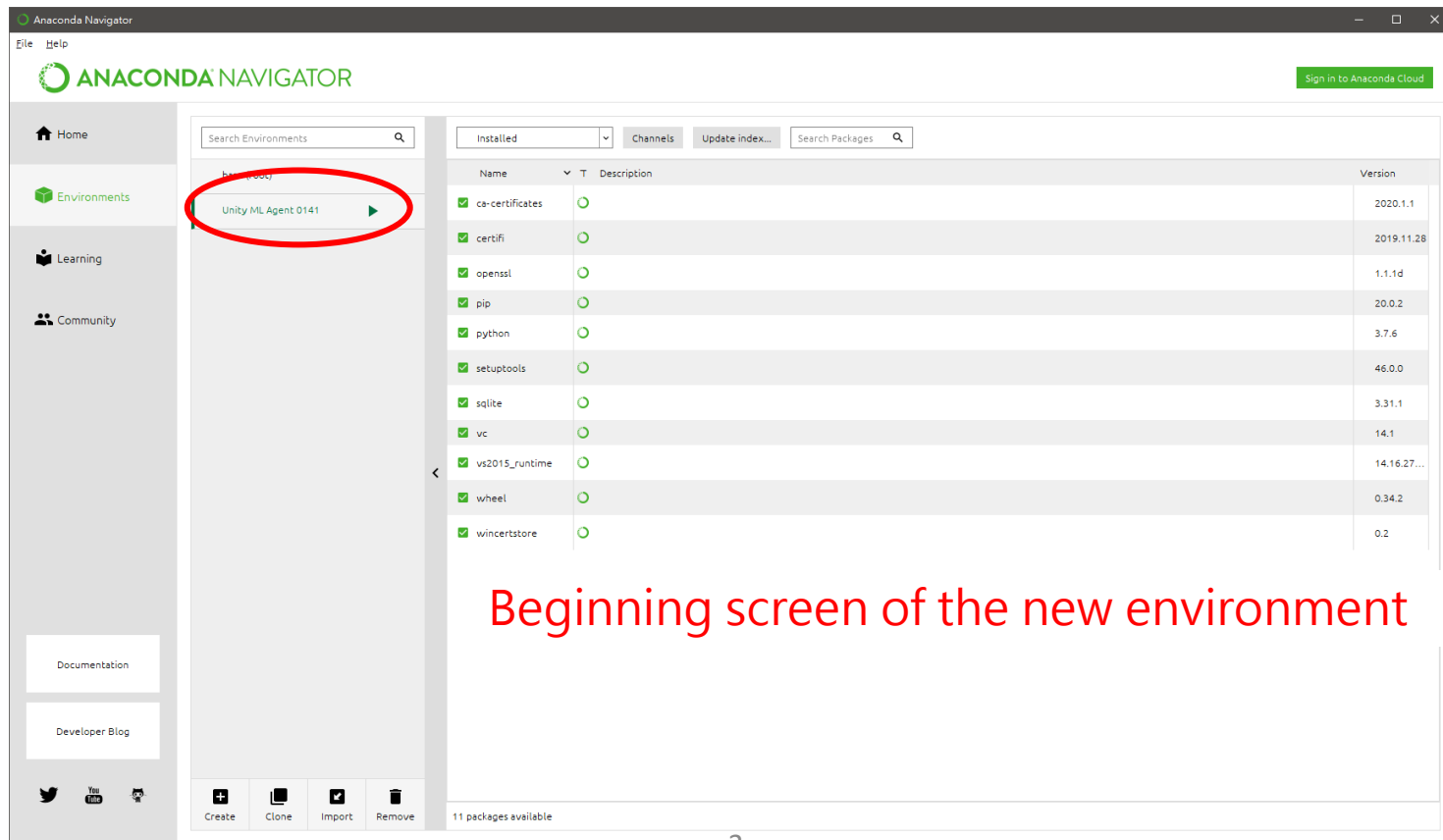
WARNING!! Anaconda can not handle Chinese. Make sure your User directory does not Chinese !!



## 2. Create an environment



## 2. Create an environment



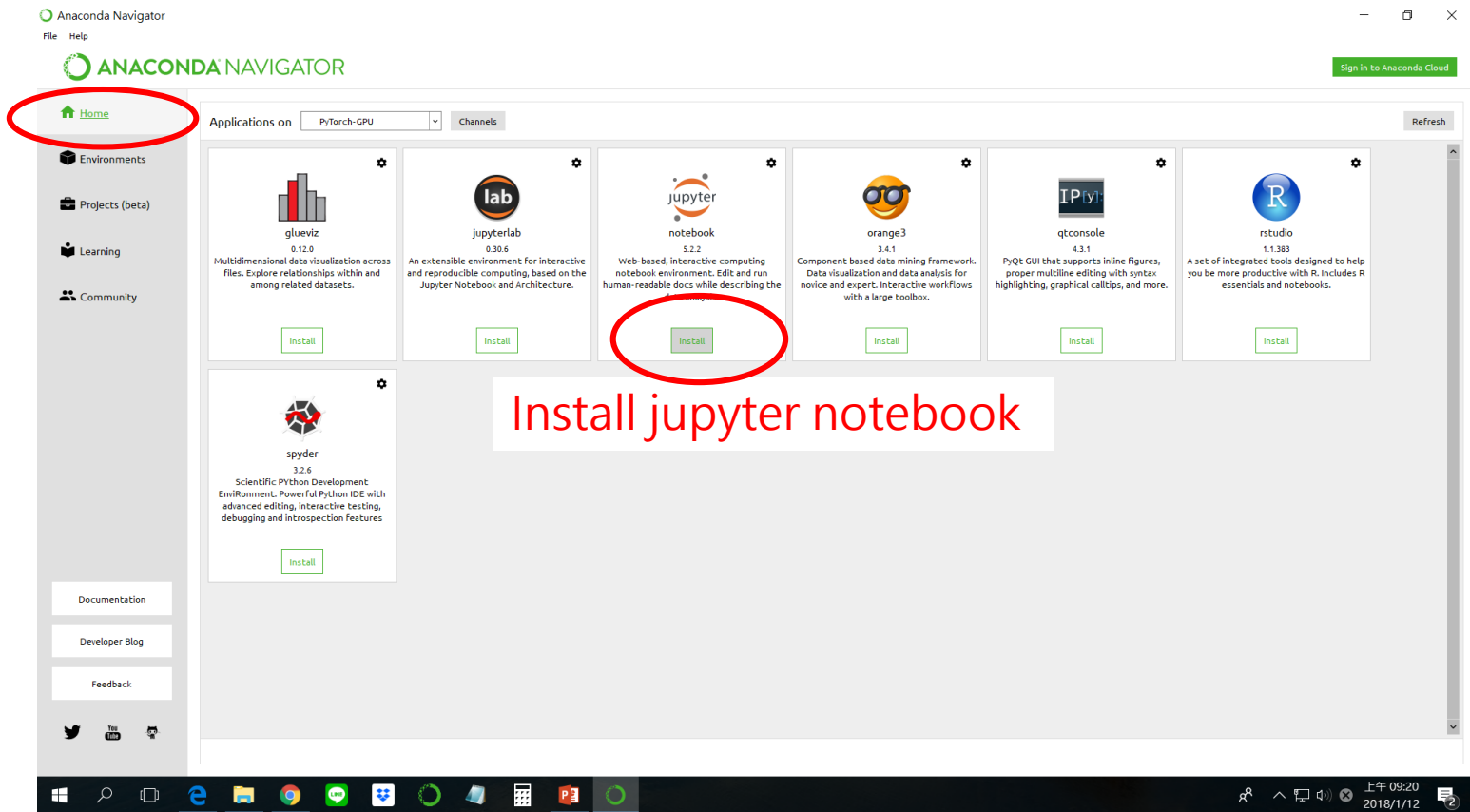
The screenshot displays the Anaconda Navigator application window. The left sidebar contains navigation links: Home, Environments (highlighted), Learning, and Community. Below these are links to Documentation and Developer Blog, and social media icons for Twitter, YouTube, and GitHub. The main area is divided into two panels. The left panel shows a search bar for environments and a list of environments, with 'Unity ML Agent 0141' circled in red. The right panel shows a list of installed packages with their versions.

Name	Description	Version
✓ ca-certificates		2020.1.1
✓ certifi		2019.11.28
✓ openssl		1.1.1d
✓ pip		20.0.2
✓ python		3.7.6
✓ setuptools		46.0.0
✓ sqlite		3.31.1
✓ vc		14.1
✓ vs2015_runtime		14.16.27...
✓ wheel		0.34.2
✓ wincertstore		0.2

11 packages available

Beginning screen of the new environment

# 3. Install Jupyter notebook



The screenshot shows the Anaconda Navigator application window. The title bar reads "Anaconda Navigator" with "File" and "Help" menus. The main header area includes the "ANACONDA NAVIGATOR" logo and a "Sign in to Anaconda Cloud" button. On the left sidebar, the "Home" tab is selected and circled in red. Below it are "Environments", "Projects (beta)", "Learning", and "Community". The main content area displays "Applications on" a dropdown menu set to "PyTorch-GPU" and a "Channels" button. A "Refresh" button is in the top right. The application cards are arranged in two rows. The first row includes "glueviz 0.12.0", "jupyterlab 0.30.6", "jupyter notebook 5.2.2" (which is circled in red), "orange3 3.4.1", "qtconsole 4.3.1", and "rstudio 1.1.383". The second row includes "spyder 3.2.6". Each card has an "Install" button. A large red text box with the text "Install jupyter notebook" is overlaid on the bottom right of the application cards. The Windows taskbar at the bottom shows the time as 09:20 on 2018/1/12.

ANAACONDA NAVIGATOR

Sign in to Anaconda Cloud

Home

Environments

Projects (beta)

Learning

Community

Applications on PyTorch-GPU Channels Refresh

glueviz 0.12.0  
Multidimensional data visualization across files. Explore relationships within and among related datasets.  
Install

jupyterlab 0.30.6  
An extensible environment for interactive and reproducible computing, based on the Jupyter Notebook and Architecture.  
Install

jupyter notebook 5.2.2  
Web-based, interactive computing notebook environment. Edit and run human-readable docs while describing the workflow.  
Install

orange3 3.4.1  
Component based data mining framework. Data visualization and data analysis for novice and expert. Interactive workflows with a large toolbox.  
Install

qtconsole 4.3.1  
PyQt GUI that supports inline figures, proper multiline editing with syntax highlighting, graphical calltips, and more.  
Install

rstudio 1.1.383  
A set of integrated tools designed to help you be more productive with R. Includes R essentials and notebooks.  
Install

spyder 3.2.6  
Scientific Python Development Environment. Powerful Python IDE with advanced editing, interactive testing, debugging and introspection features  
Install

Documentation

Developer Blog

Feedback

Twitter YouTube GitHub

Install jupyter notebook

上午 09:20  
2018/1/12

## 4. Install python modules

**All available modules**

Update index and search the modules you want to install in this environment

Name	Description	Version
<input type="checkbox"/> anaconda		2020.02
<input type="checkbox"/> anaconda-project		0.8.4
<input checked="" type="checkbox"/> attrs		19.3.0
<input type="checkbox"/> autopep8		4.4
<input checked="" type="checkbox"/> backcall		1.0
<input type="checkbox"/> backports		0
<input type="checkbox"/> backports.functoo...		6.1
<input type="checkbox"/> backports.tempfile		0
<input type="checkbox"/> backports.weakref		1.0.post1
<input checked="" type="checkbox"/> bleach		3.1.0
<input checked="" type="checkbox"/> ca-certificates		2020.1.1
<input checked="" type="checkbox"/> certifi		2019.11.28
<input checked="" type="checkbox"/> colorama		0.4.3
<input type="checkbox"/> conda		4.8.2
<input type="checkbox"/> conda-verify		3.4.2
<input type="checkbox"/> contextlib2		0.6.0.post1
<input checked="" type="checkbox"/> decorator		4.4.2
<input checked="" type="checkbox"/> defusedxml		0.6.0
<input type="checkbox"/> diff-match-patch		20181111

111 packages available

## 4. Install python modules

numpy	Array processing for numbers, strings, records, and objects
pandas	powerful python data analysis toolkit
matplotlib	python 2d plotting library
scikit-learn	set of python modules for machine learning and data mining
pyyaml	Yaml parser and emitter for python
opencv	Computer vision and machine learning software library (pip install opencv-python)
cuda toolkit	
cudnn	Nvidia's deep neural network acceleration library
cython	Compiler for writing c extensions for the python language

## 5. Install python modules through command window

The screenshot displays the Anaconda Navigator interface. On the left sidebar, the 'Environments' section is active, and the 'Unity ML Agent 0141' environment is highlighted with a red circle. A right-click context menu is open over this environment, with the 'Open Terminal' option selected. A blue arrow points from this menu item to a terminal window. The terminal window is titled 'C:\Windows\system32\cmd.exe' and shows the prompt '(Unity ML Agent 0141) C:\Users\ austi>'. A red text box is overlaid on the terminal with the text 'Command line window of this environment'.

Command line window of this environment

## 5. Install python modules through command window

### conda install

Proceed (y/n) ➔ Type 'y'

PyTorch, Torchvision	<b>conda install pytorch torchvision cudatoolkit=10.1 -c pytorch</b>
Torchsummary	<b>pip install torchsummary</b>



# pytorch.org

PyTorch

Get Started Ecosystem Mobile Blog Tutorials Docs Resources GitHub

supported version of PyTorch. This should be suitable for many users. Preview is available if you want the latest, not fully tested and supported, 1.5 builds that are generated nightly. Please ensure that you have met the prerequisites below (e.g, numpy), depending on your package manager. Anaconda is our recommended package manager since it installs all dependencies. You can also [install previous versions of PyTorch](#). Note that LibTorch is only available for C++.

quickly through popular cloud platforms and machine learning services.

PyTorch Build	Stable (1.4)	Preview (Nightly)		
Your OS	Linux	Mac	Windows	
Package	Conda	Pip	LibTorch	Source
Language	Python	C++ / Java		
CUDA	9.2	10.1	None	
Run this Command:	conda install pytorch torchvision cudatoolkit=10.1 -c pytorch			

[Previous versions of PyTorch](#)

Alibaba Cloud

Amazon Web Services

Google Cloud Platform

Microsoft Azure

正在等候 syndication.twitter.com...

下午 01:14 2020/3/2

# 6. Cuda test

anaconda pytorch wi x DLDIY: pytorch on W x GitHub - peterjc123/ x 使用Anaconda3在win x Windows+Anaconda x Home x Untitled x Tien-Lung x

localhost:8888/notebooks/Untitled.ipynb?kernel\_name=python3

應用程式 將書籤放置在書籤列上，即可快速前往各個網頁。立即匯入書籤... 其他書籤

Jupyter Untitled Last Checkpoint: a minute ago (unsaved changes) Logout

File Edit View Insert Cell Kernel Help Trusted Python 3

In [1]:

```
1 # CUDA 测试
2 import torch
3 x = torch.Tensor([1.0])
4 xx = x.cuda()
5 print(xx)
```

1  
[torch.cuda.FloatTensor of size 1 (GPU 0)]

In [2]:

```
1 # CUDNN TEST
2 from torch.backends import cudnn
3 print(cudnn.is_acceptable(xx))
```

True

In [ ]: 1 |

# CUDA 测试  
import torch  
x = torch.Tensor([1.0])  
xx = x.cuda()  
print(xx)

# CUDNN TEST  
from torch.backends import cudnn  
print(cudnn.is\_acceptable(xx))

Windows taskbar: 上午 09:31 2018/1/12