

# Mac下准备python环境

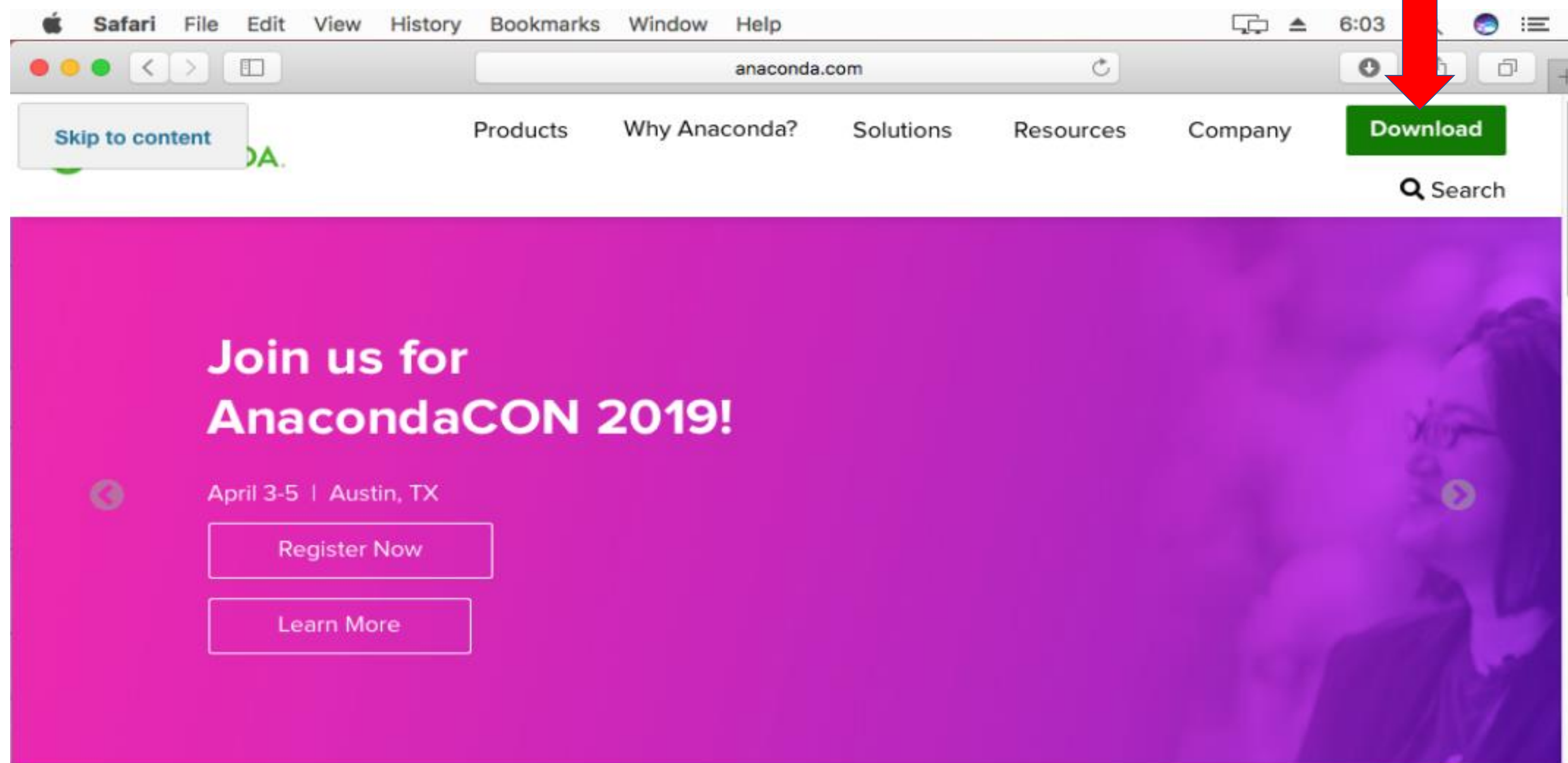
## 主讲：雷老师

# Python

- 一个开源的Python发行版本Anaconda
- 官网：<https://www.anaconda.com>
- Anaconda包括Conda、Python以及一大堆安装好的工具包。
- 课程使用Python3版本

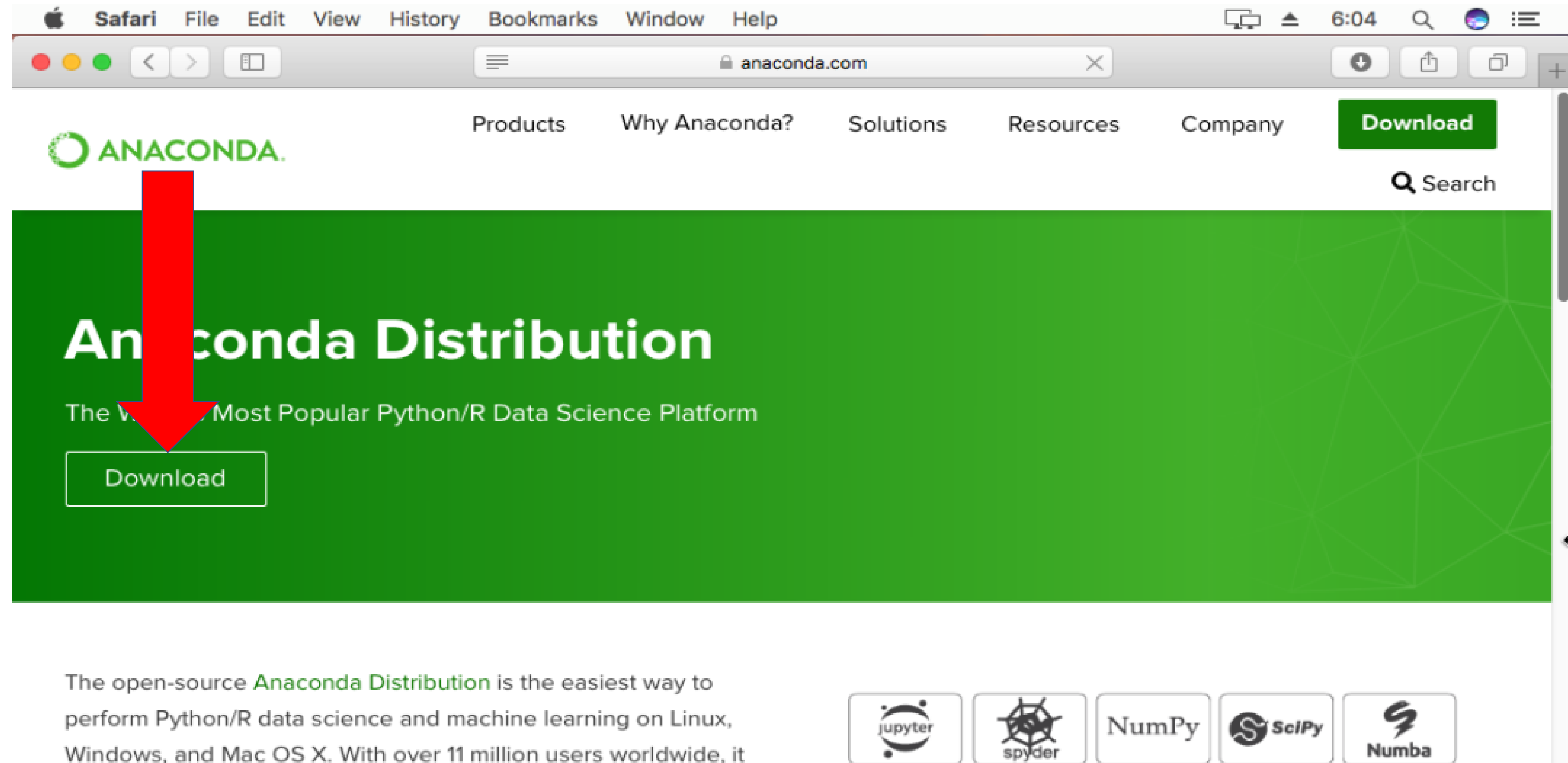
# 安装Anaconda

- 在浏览器访问Anaconda 官网
- 点击 Download



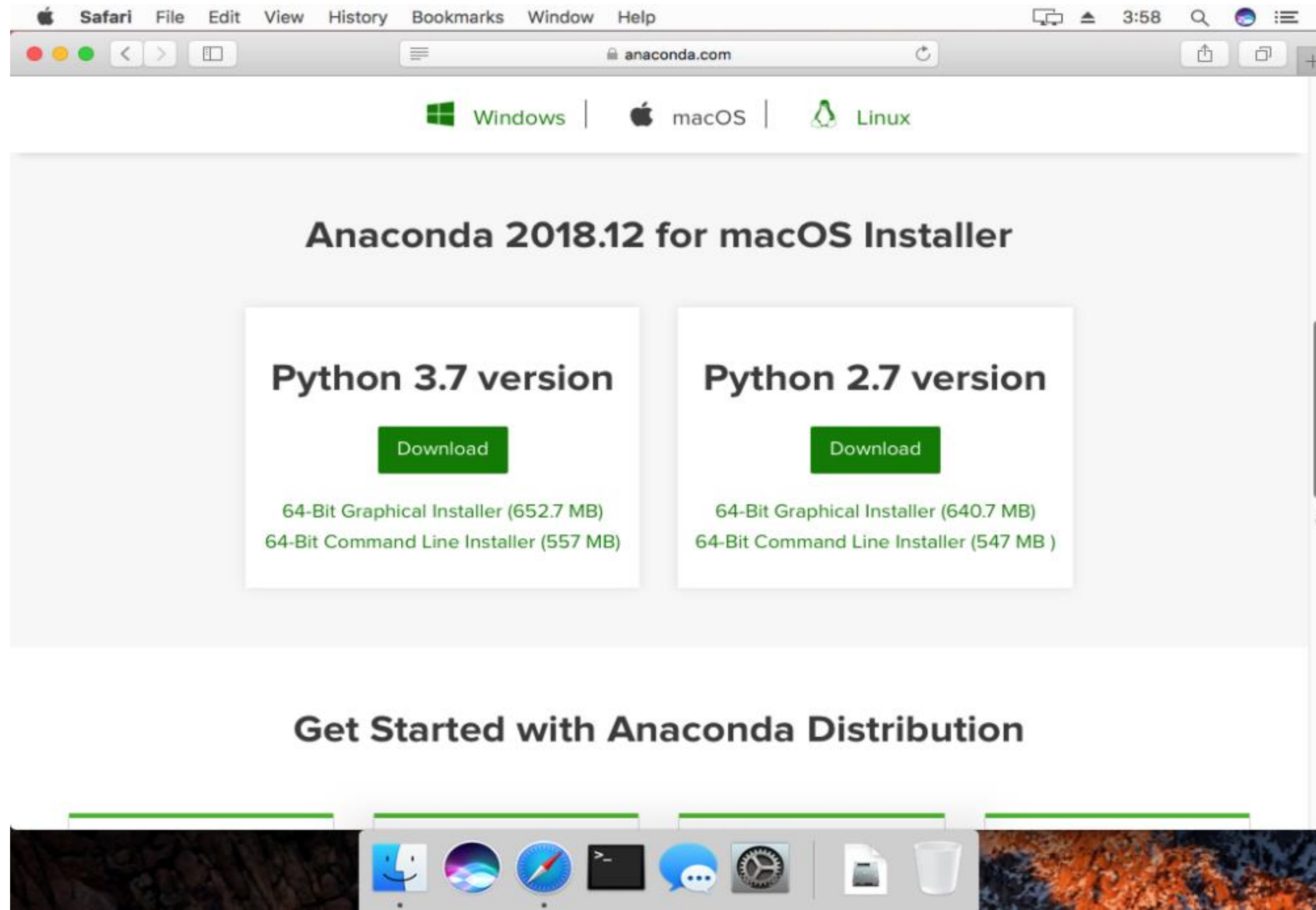
# 安装Anaconda

- 点击左侧Download或向下滚动到下载界面



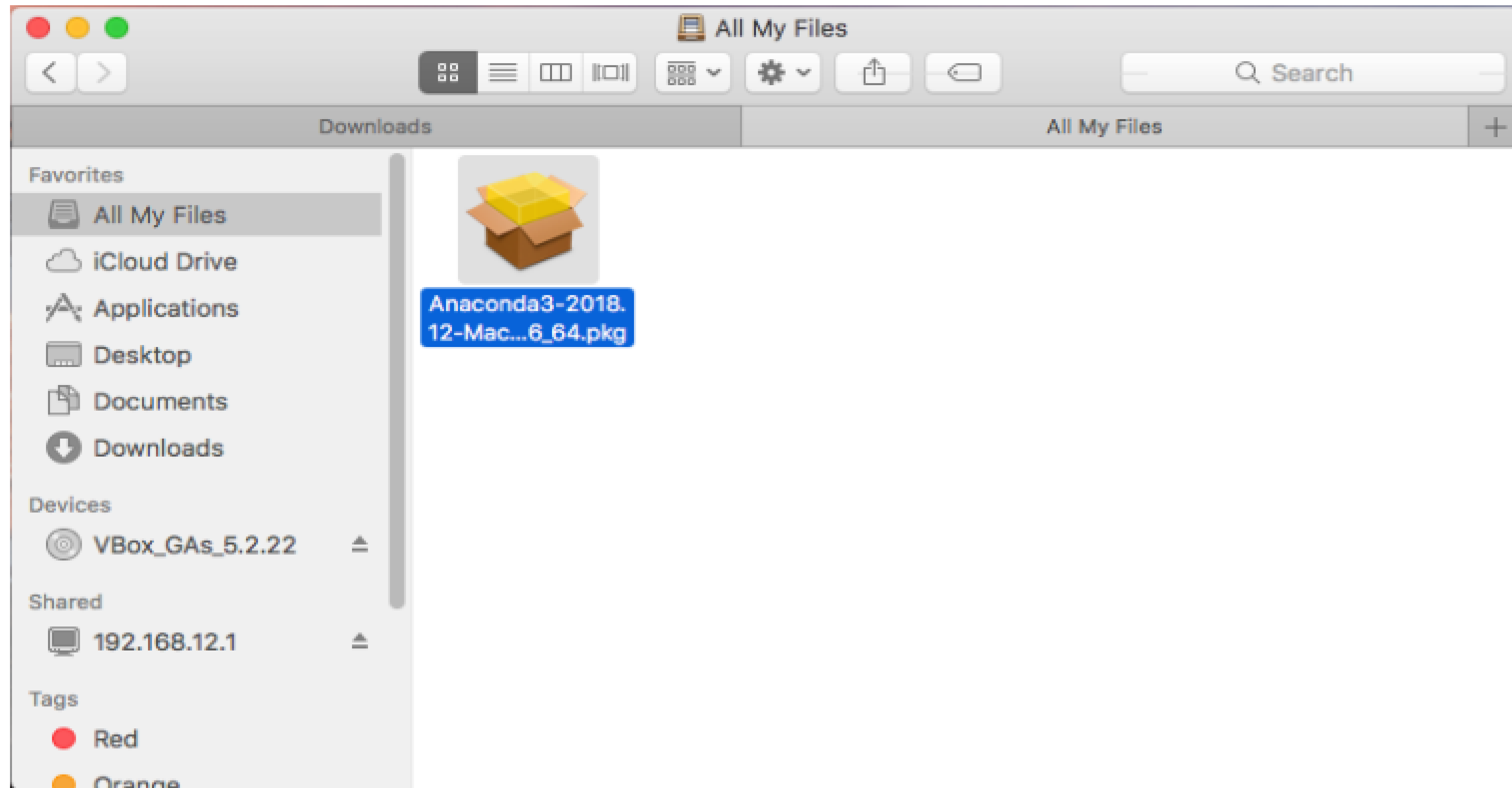
# 安装Anaconda

- 课程使用Python3版本，Mac机器请选择macOS Installer。



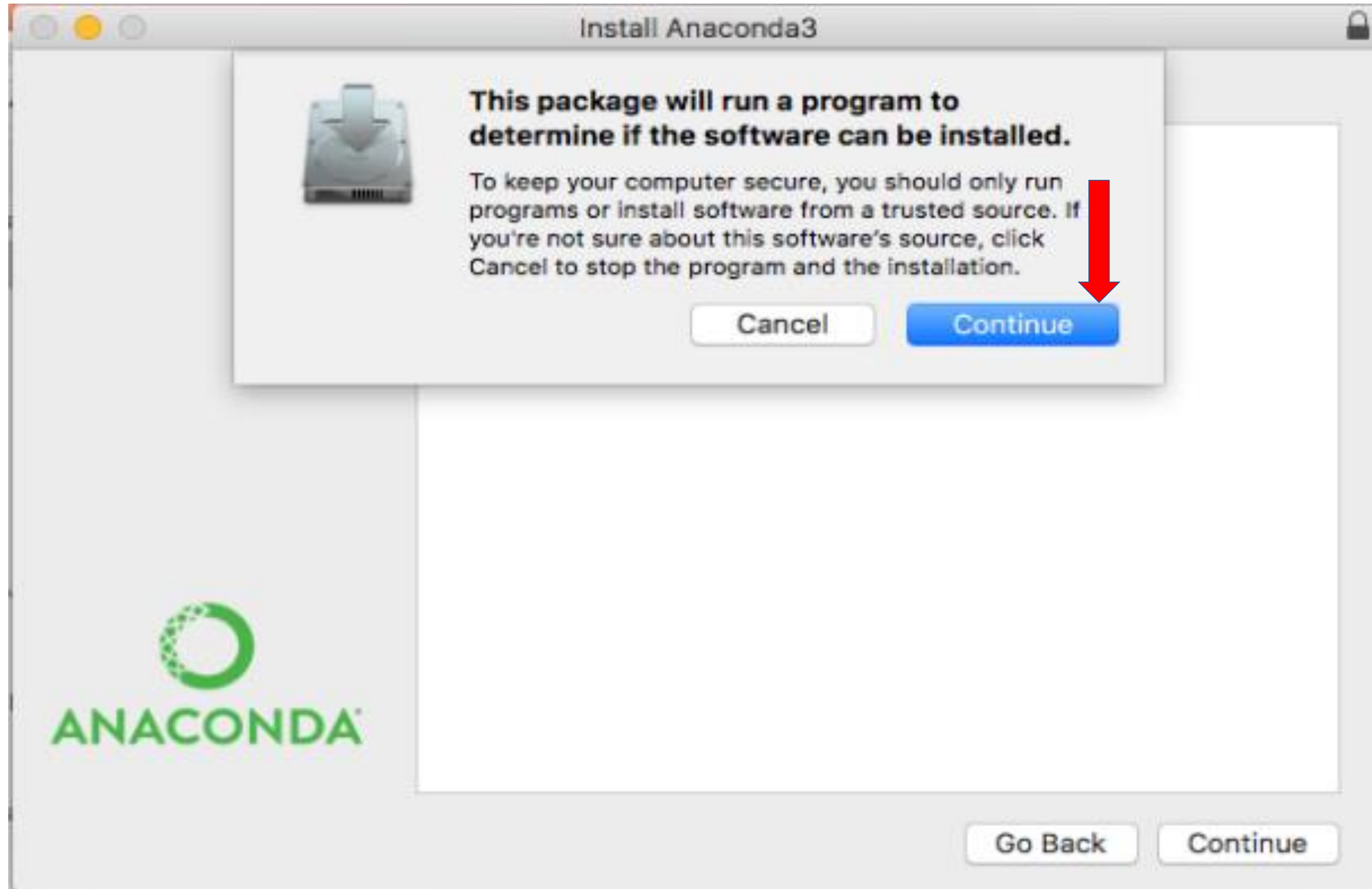
# 安装Anaconda

- 请根据自己喜好，将下载后的安装包单独放到一个目录下。双击进行安装

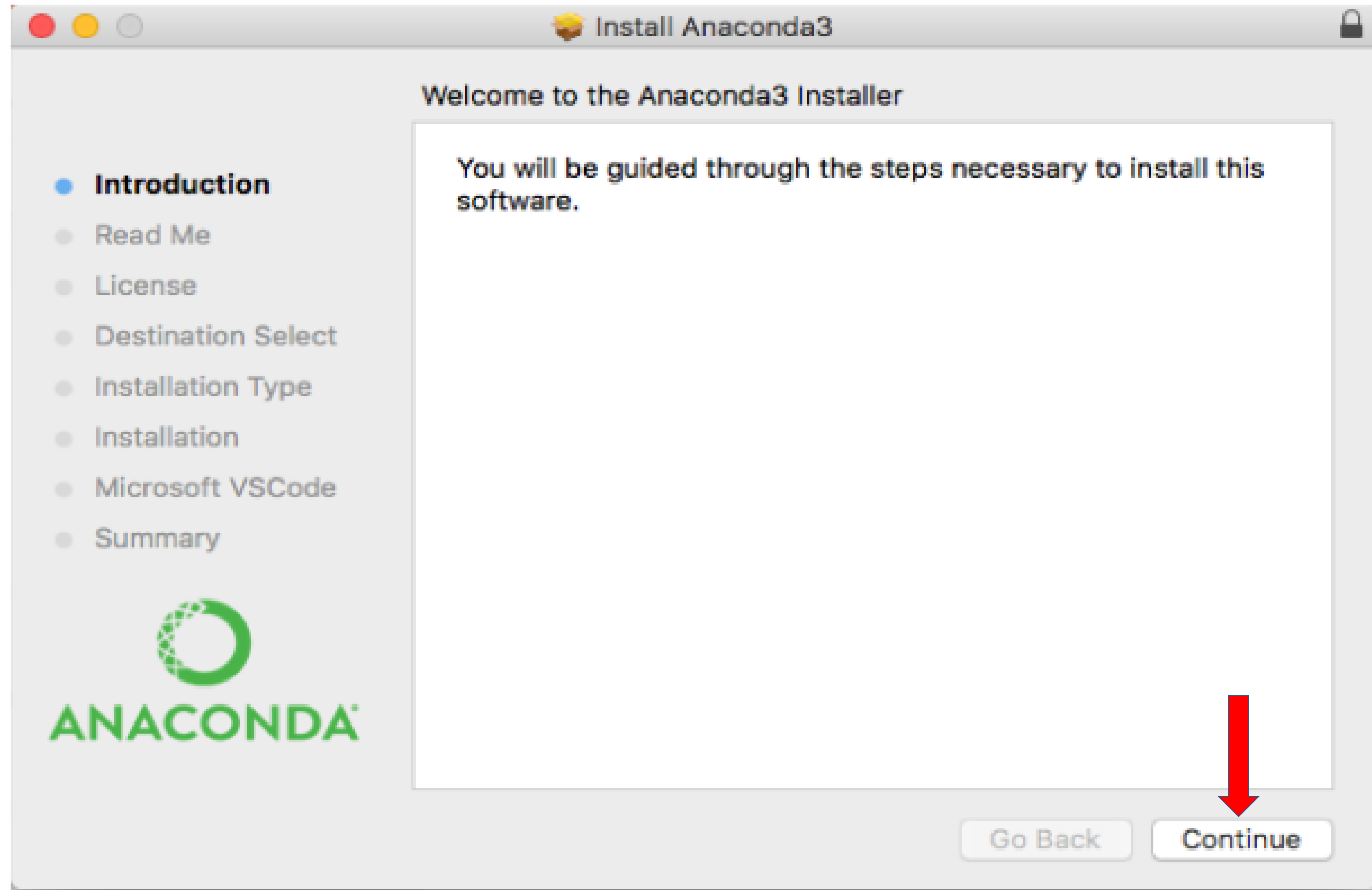




# 安装Anaconda

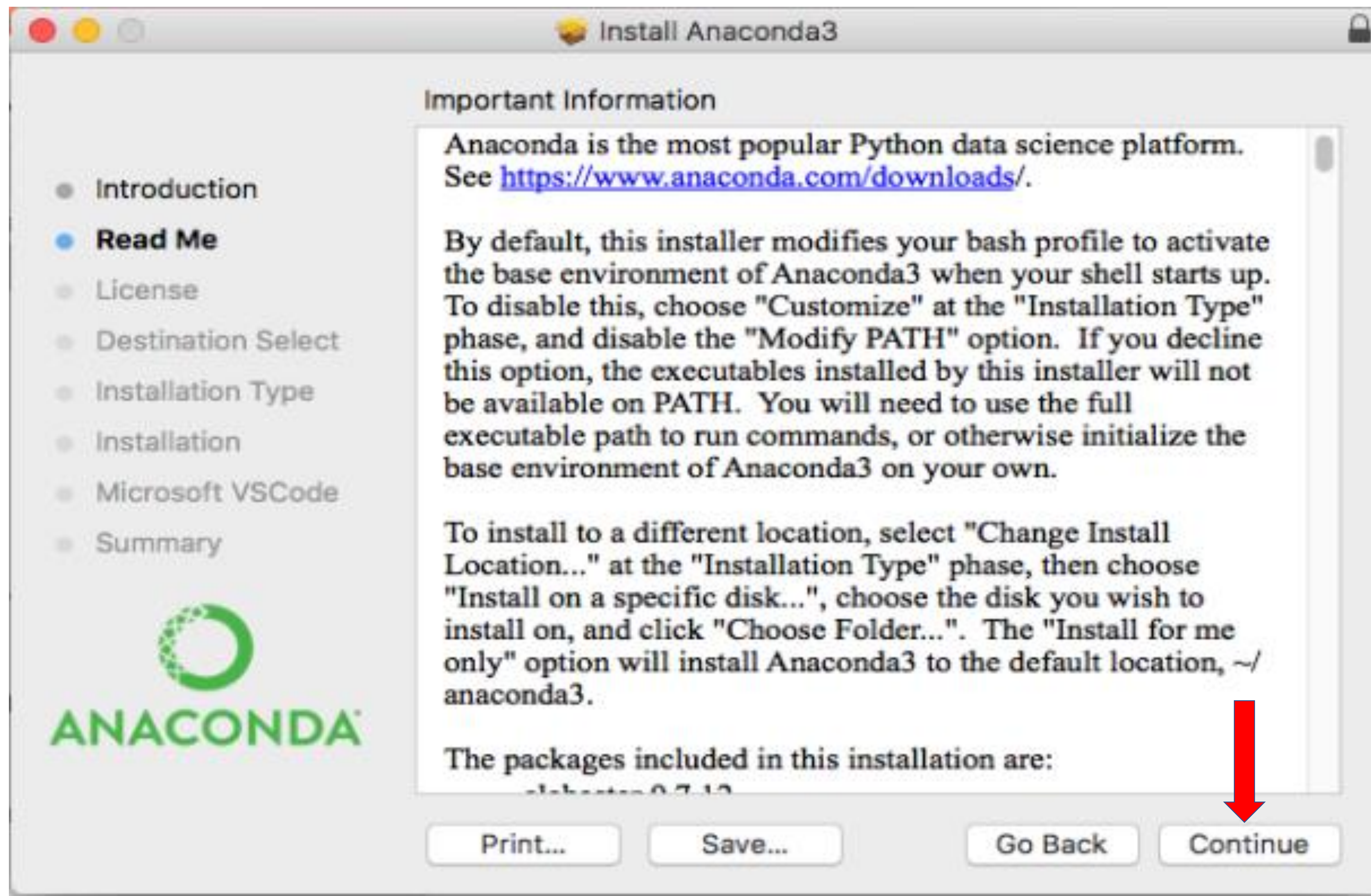


# 安装Anaconda



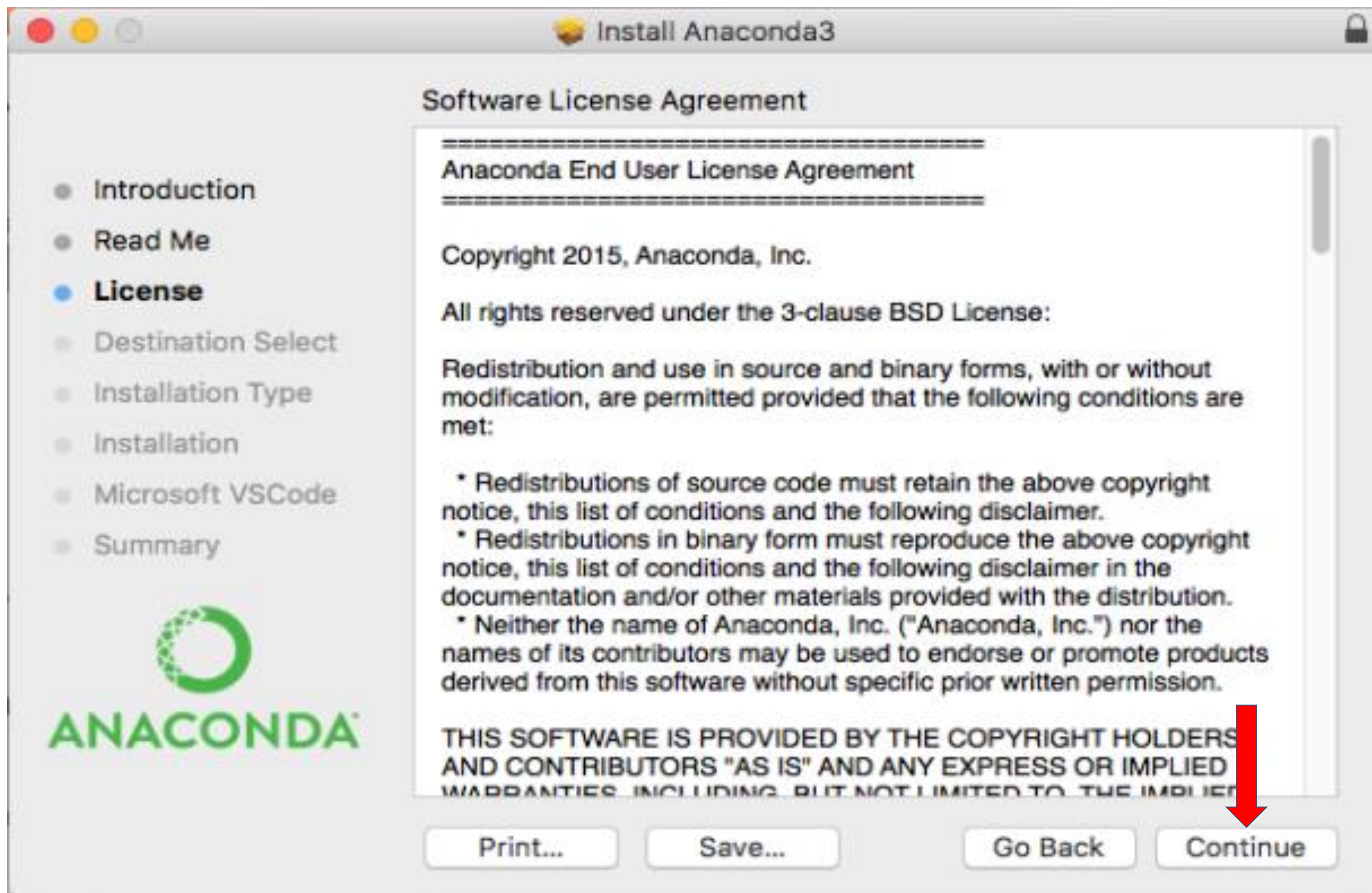


# 安装Anaconda



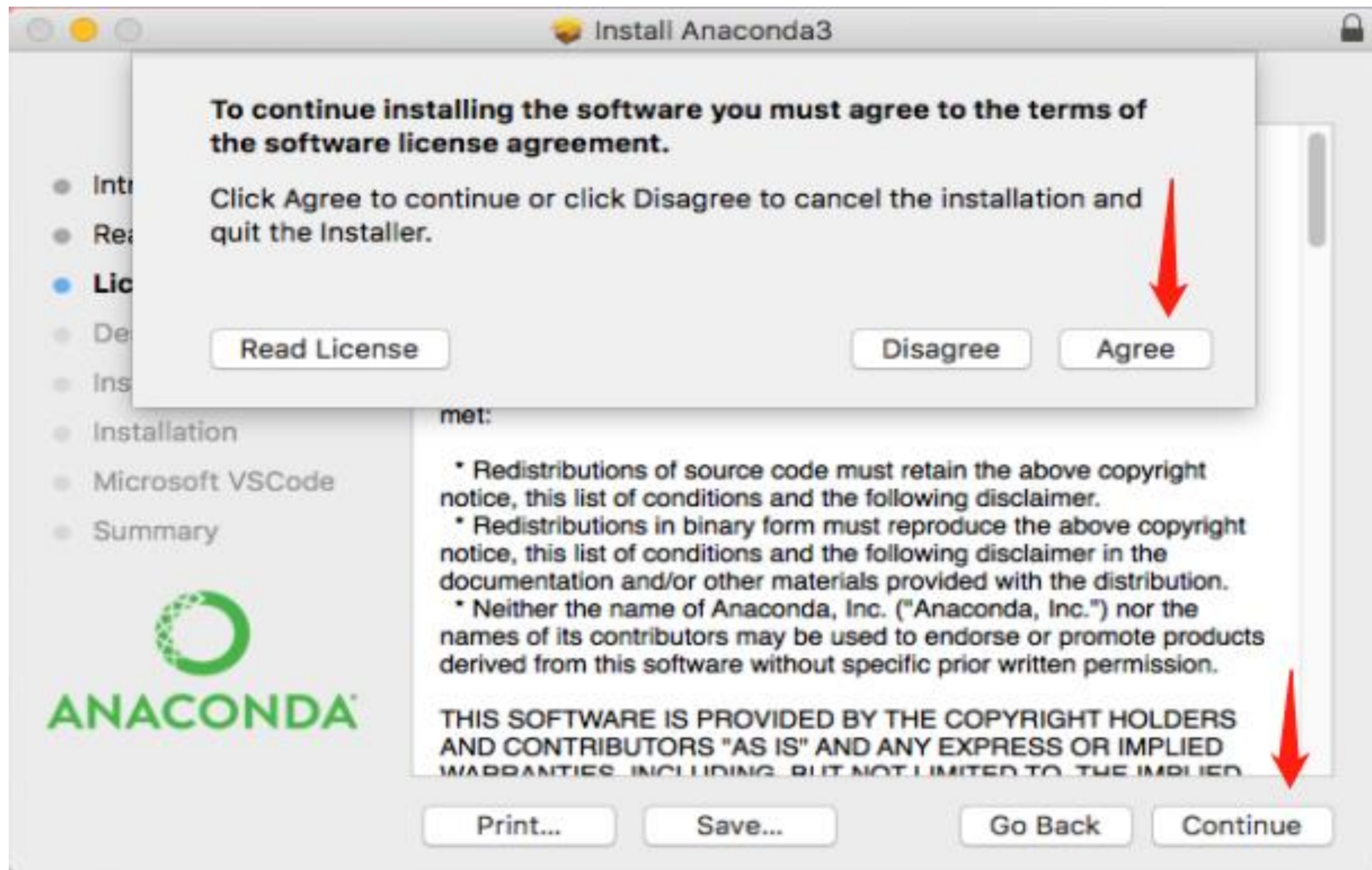


# 安装Anaconda

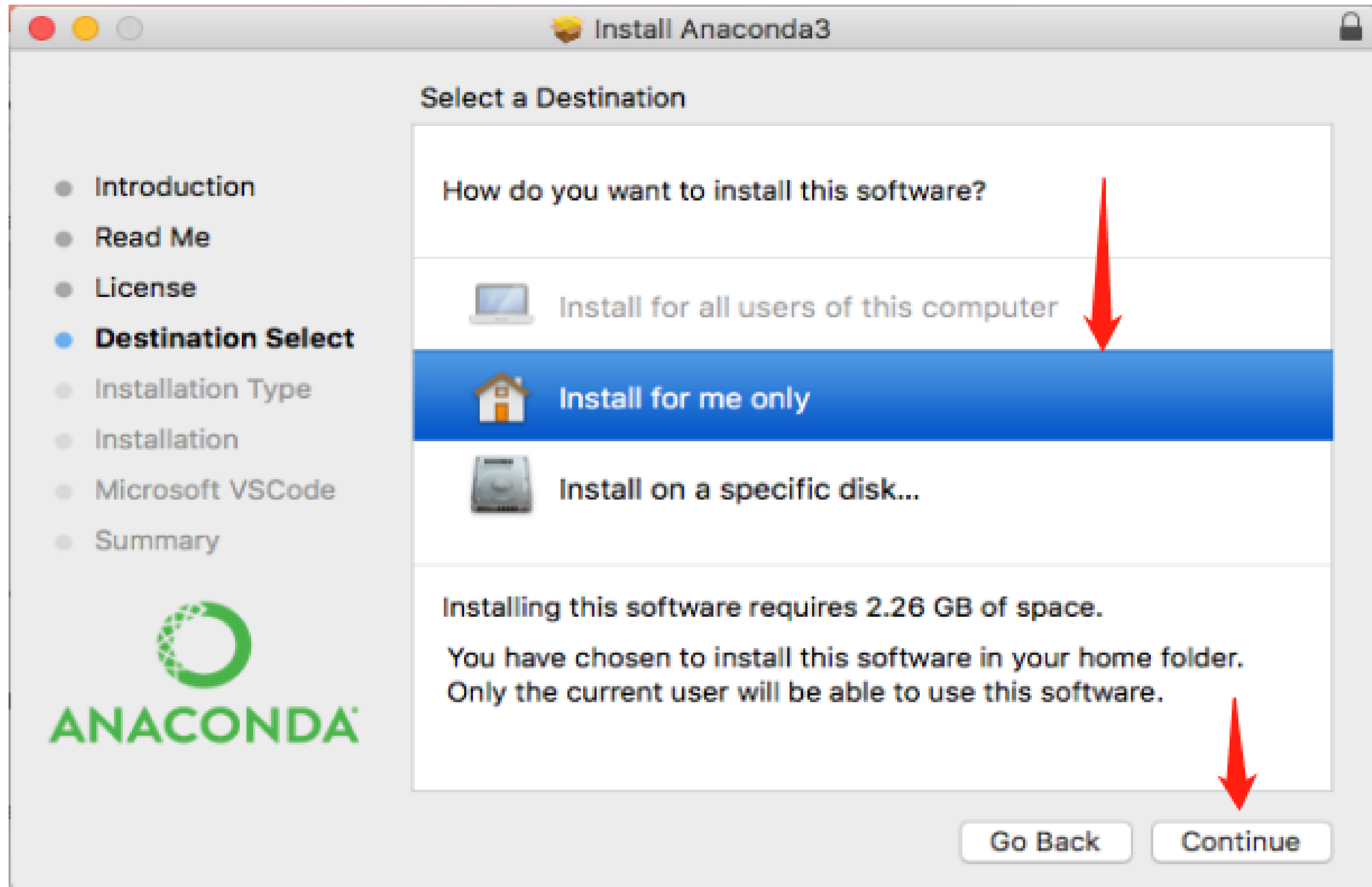




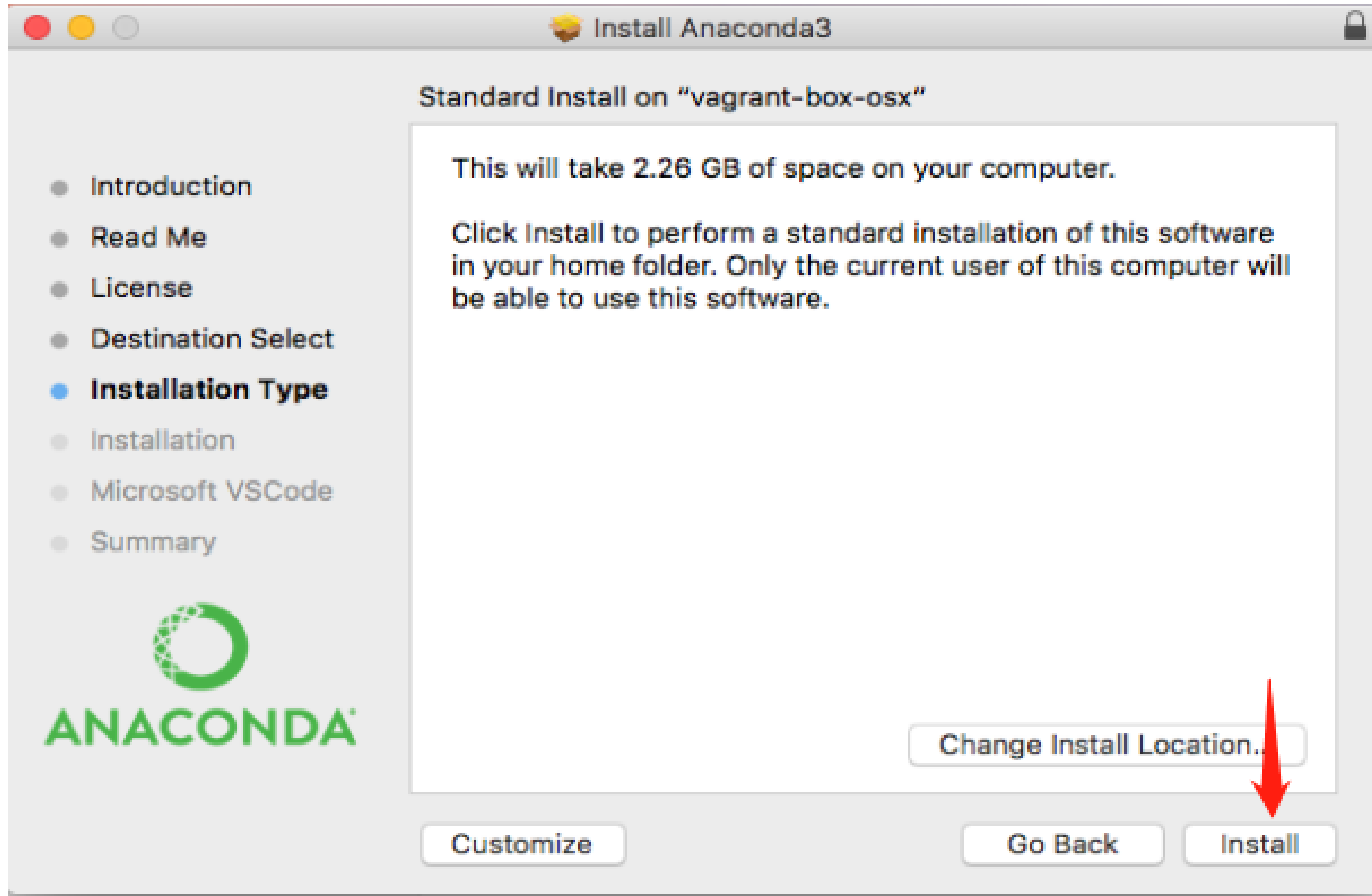
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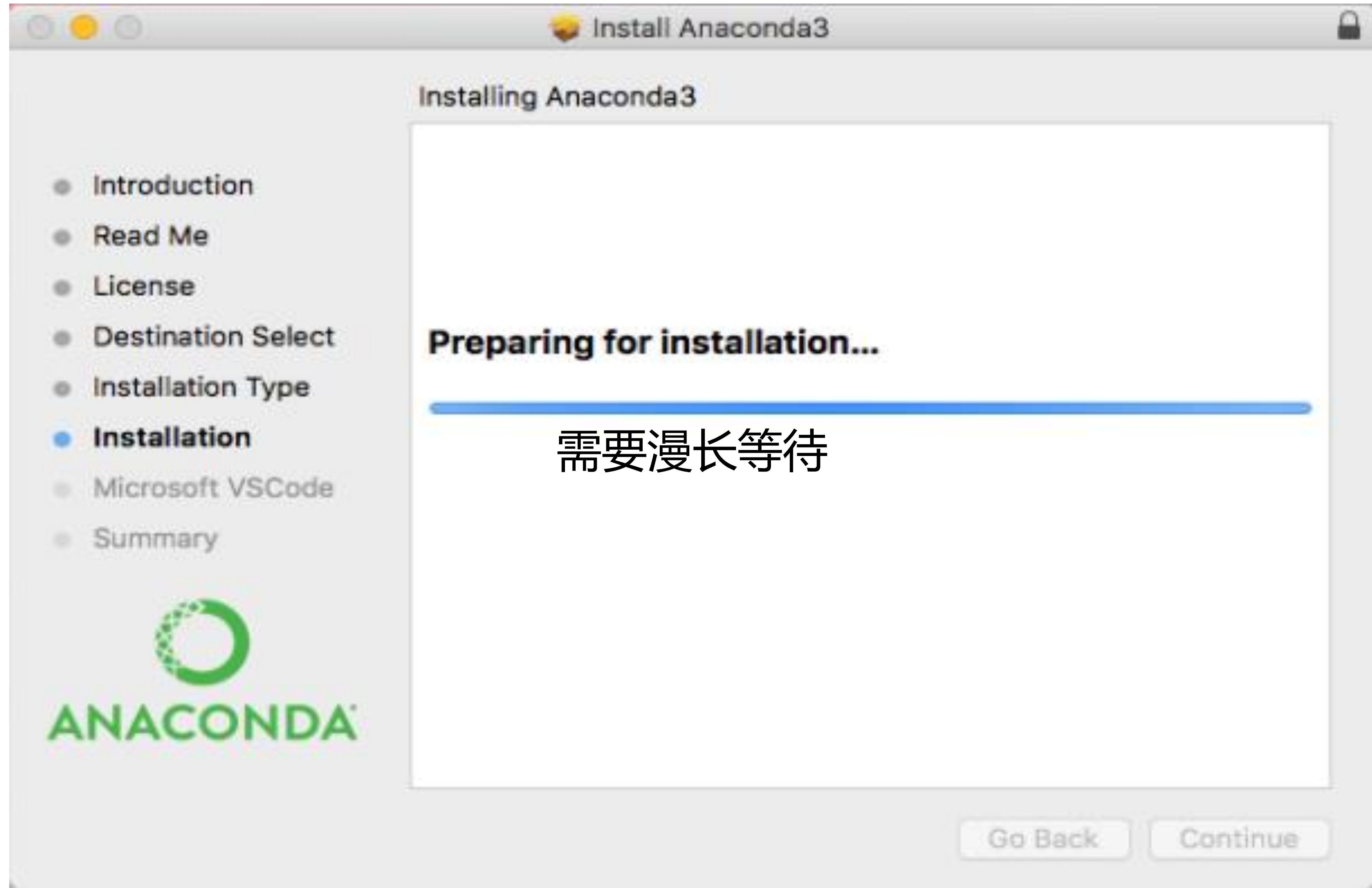


# 安装Anaconda

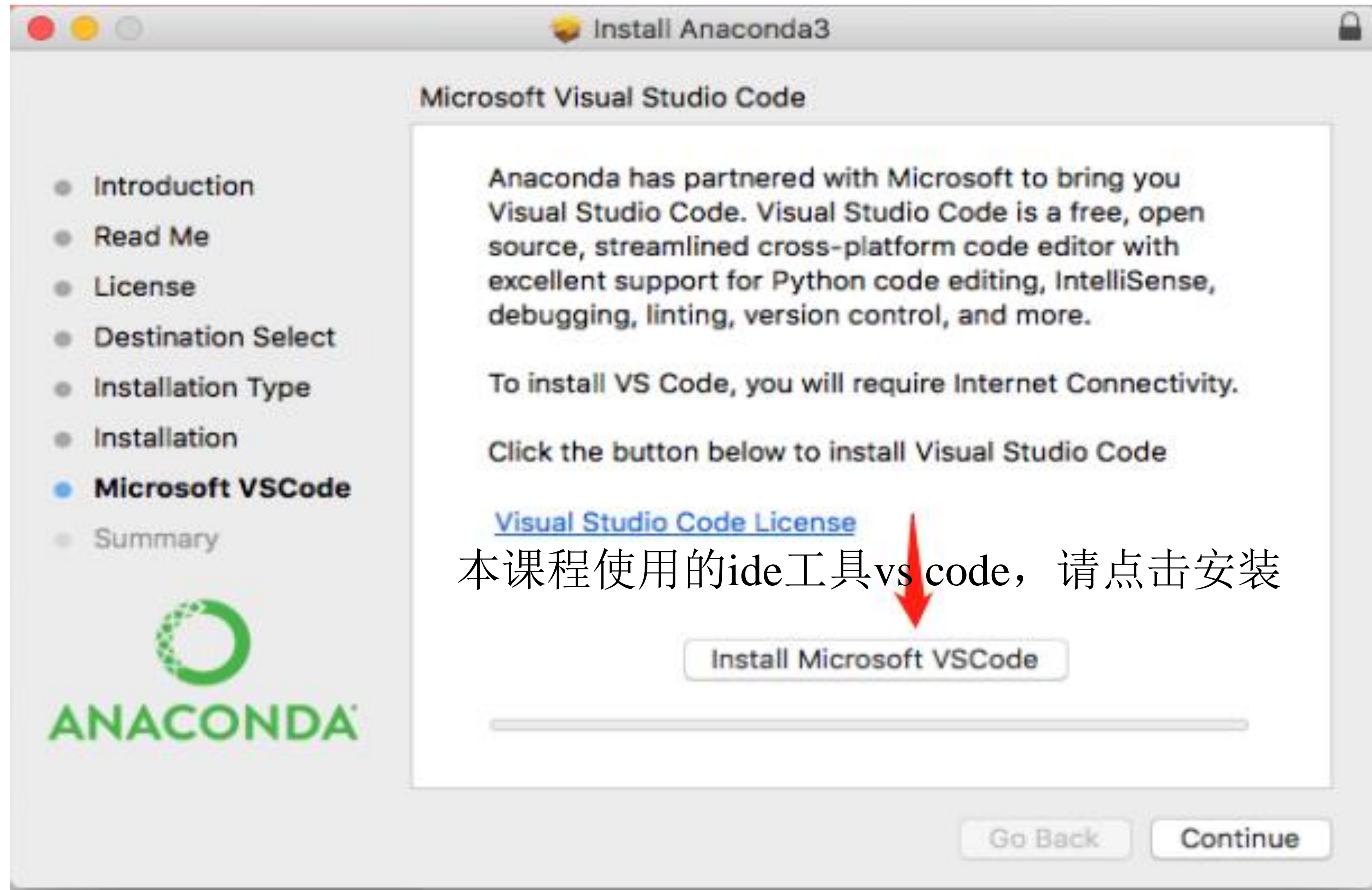




# 安装Anaconda

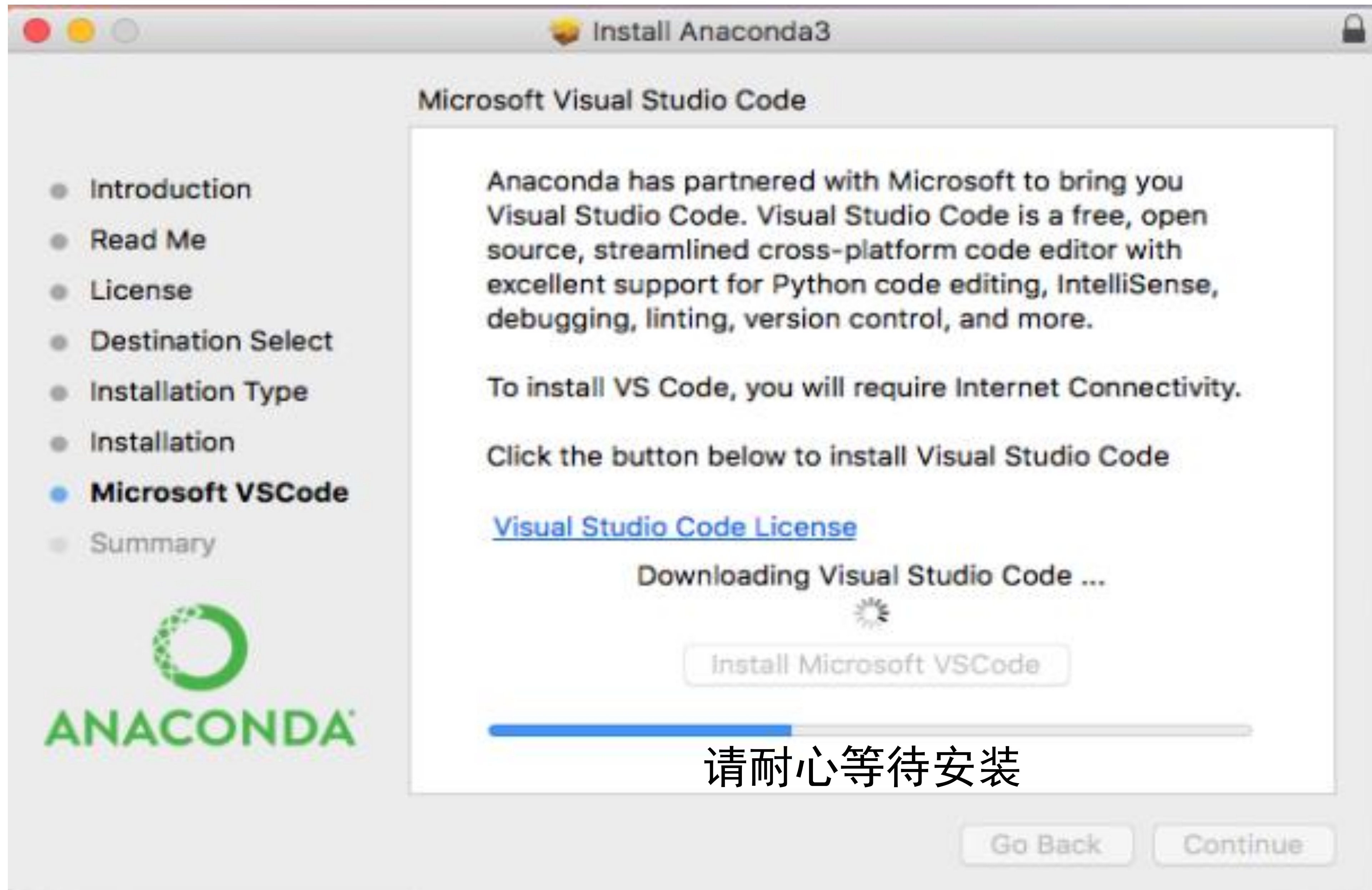


# 安装Anaconda



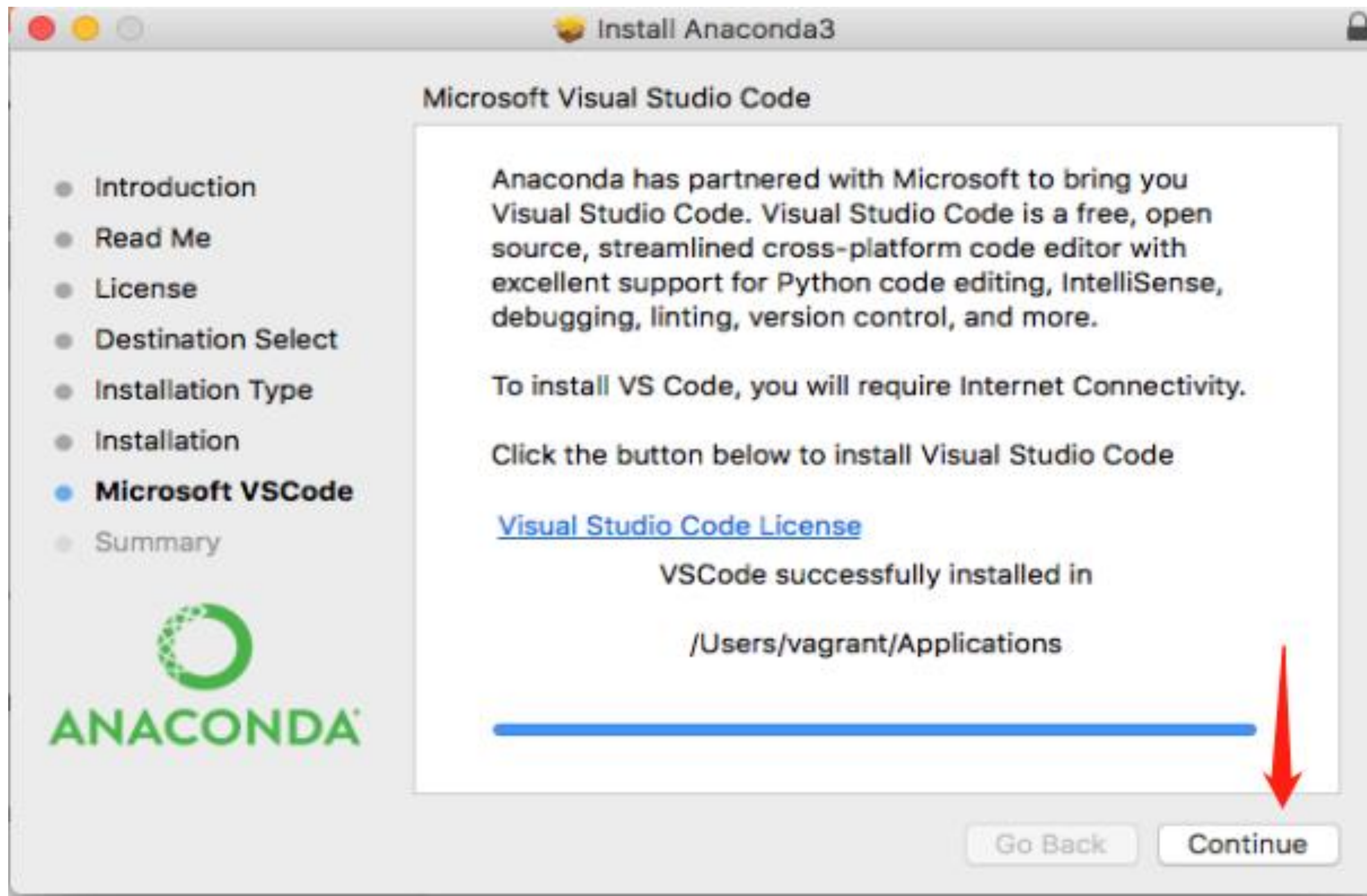


# 安装Anaconda

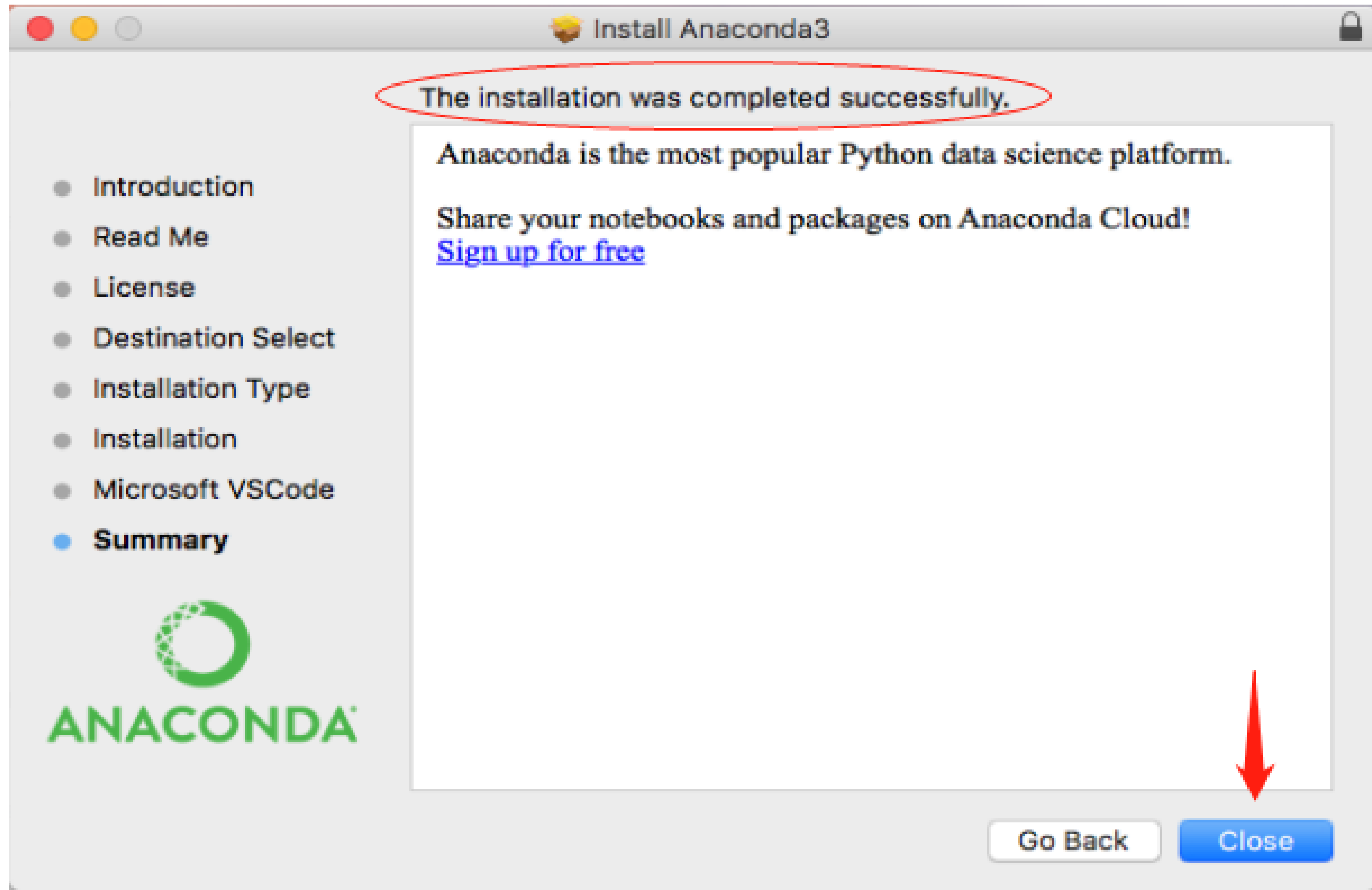




# 安装Anaconda



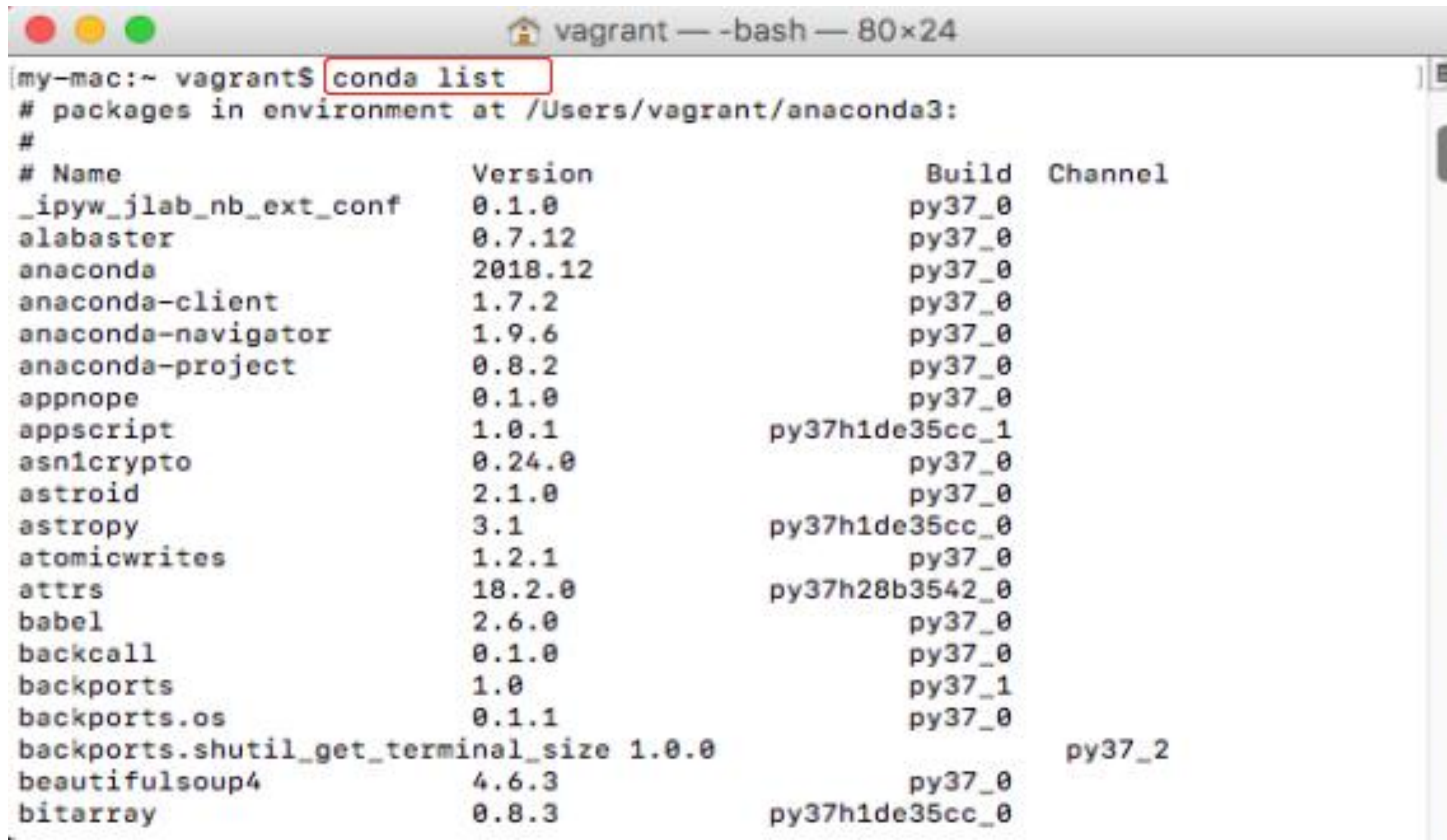
# 安装Anaconda





# mac终端命令行

- 输入命令conda list 列出所有安装的工具包。也包含本课程用到的lxml pip requests等工具包，截图中就不显示了，请自行滚动翻看，操作如下图：



```
my-mac:~ vagrant$ conda list
# packages in environment at /Users/vagrant/anaconda3:
#
# Name                                Version                                Build                                Channel
_ipyw_jlab_nb_ext_conf                0.1.0                                py37_0
alabaster                              0.7.12                                py37_0
anaconda                               2018.12                               py37_0
anaconda-client                        1.7.2                                py37_0
anaconda-navigator                     1.9.6                                py37_0
anaconda-project                       0.8.2                                py37_0
appnope                                0.1.0                                py37_0
appscript                              1.0.1                                py37h1de35cc_1
asn1crypto                             0.24.0                                py37_0
astroid                                 2.1.0                                py37_0
astropy                                3.1                                  py37h1de35cc_0
atomicwrites                           1.2.1                                py37_0
attrs                                  18.2.0                                py37h28b3542_0
babel                                   2.6.0                                py37_0
backcall                               0.1.0                                py37_0
backports                              1.0                                  py37_1
backports.os                           0.1.1                                py37_0
backports.shutil_get_terminal_size     1.0.0                                py37_2
beautifulsoup4                         4.6.3                                py37_0
bitarray                               0.8.3                                py37h1de35cc_0
```

# 安装后系统默认使用Anaconda的python环境

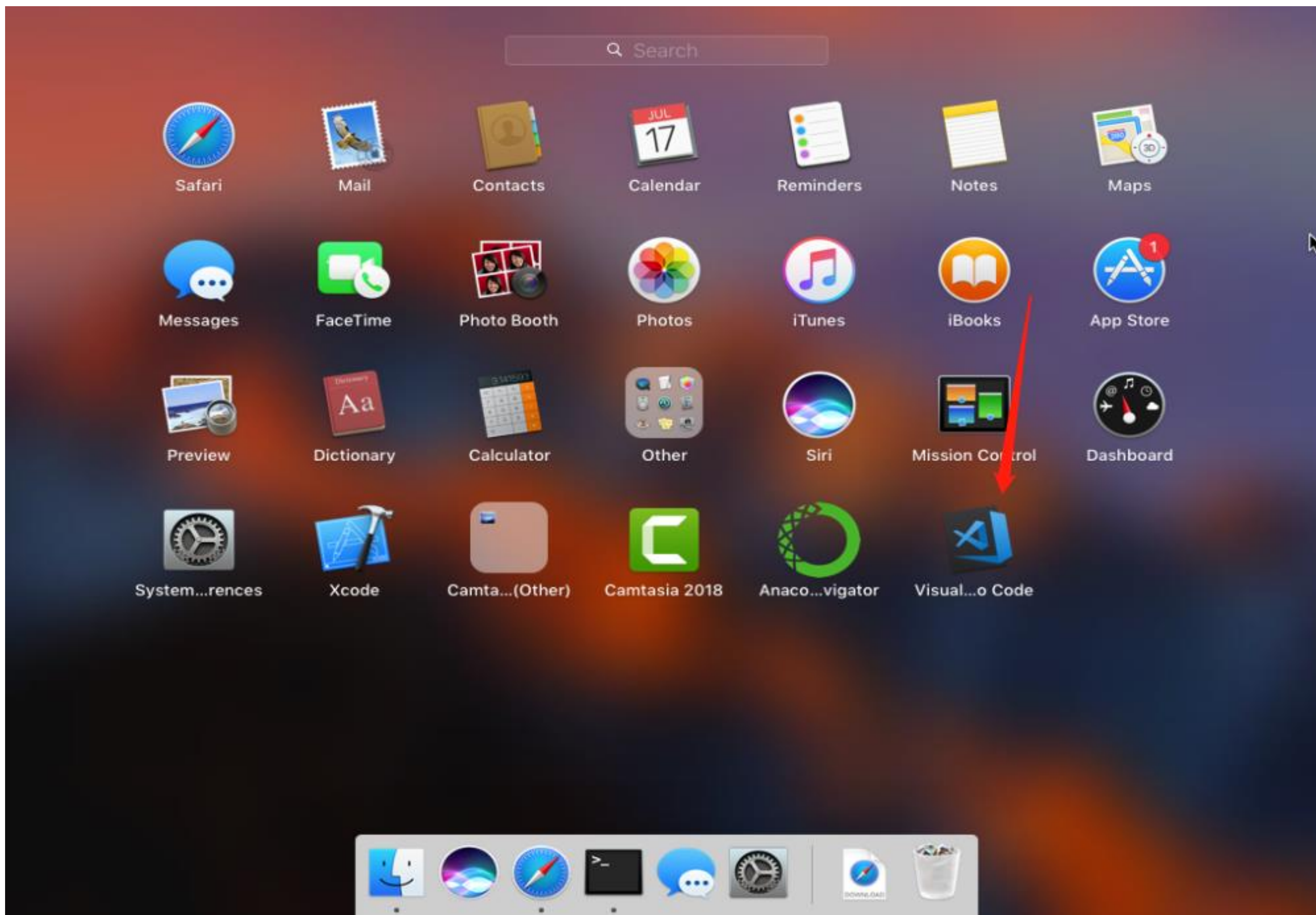
- 输入命令python -V ( 大写字母V ) 输入命令python都正常使用即可。

```

Last login: Wed Feb 13 04:48:05 on ttys000
[my-mac:~ vagrant$ python -V
Python 3.7.1
[my-mac:~ vagrant$ python
Python 3.7.1 (default, Dec 14 2018, 13:28:58)
[Clang 4.0.1 (tags/RELEASE_401/final)] :: Anaconda, Inc. on darwin
Type "help", "copyright", "credits" or "license" for more information.
[>>> print('hello python')
hello python
[>>> exit()
my-mac:~ vagrant$
```

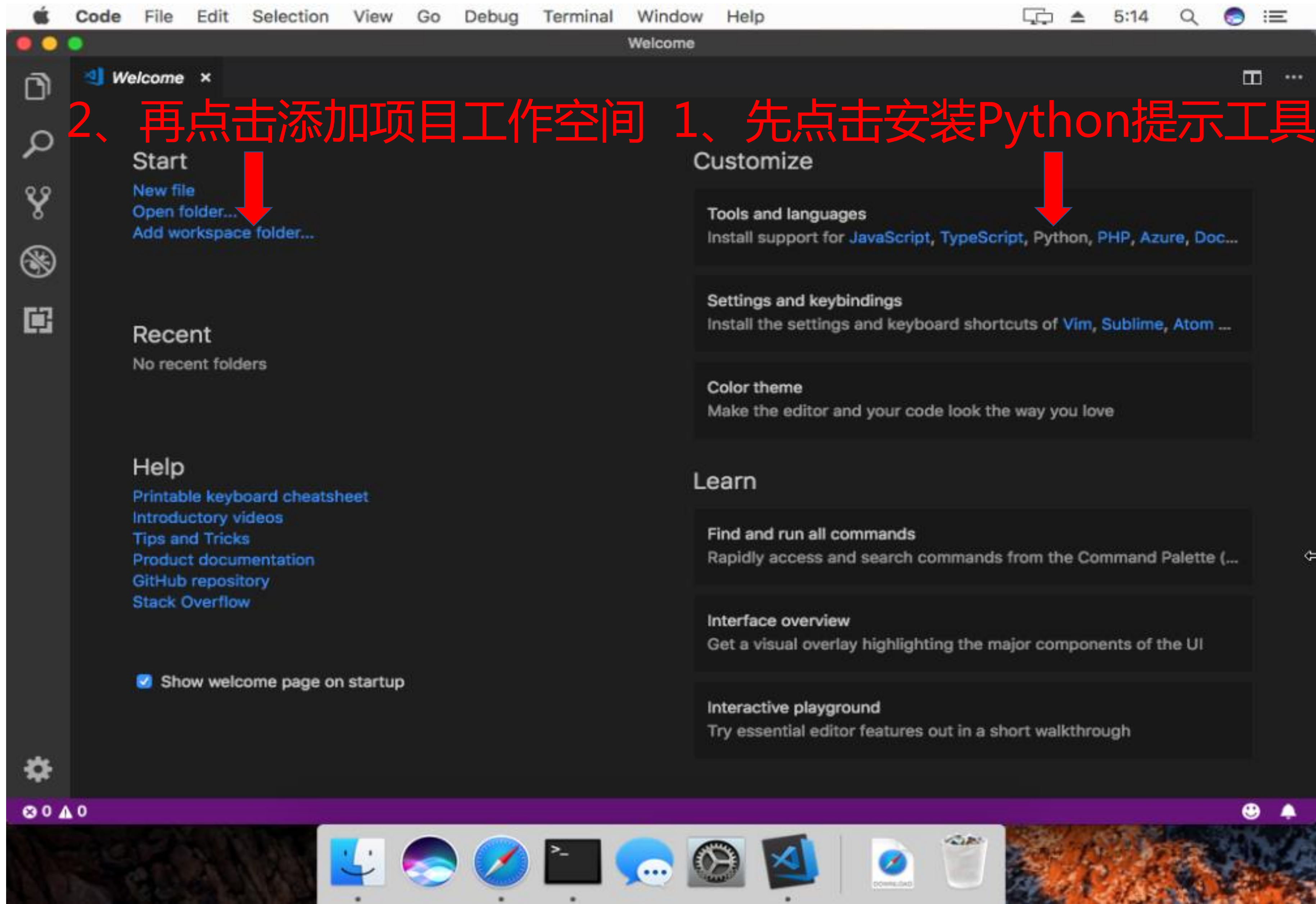


# 安装成功后会看到ide工具vs code图标



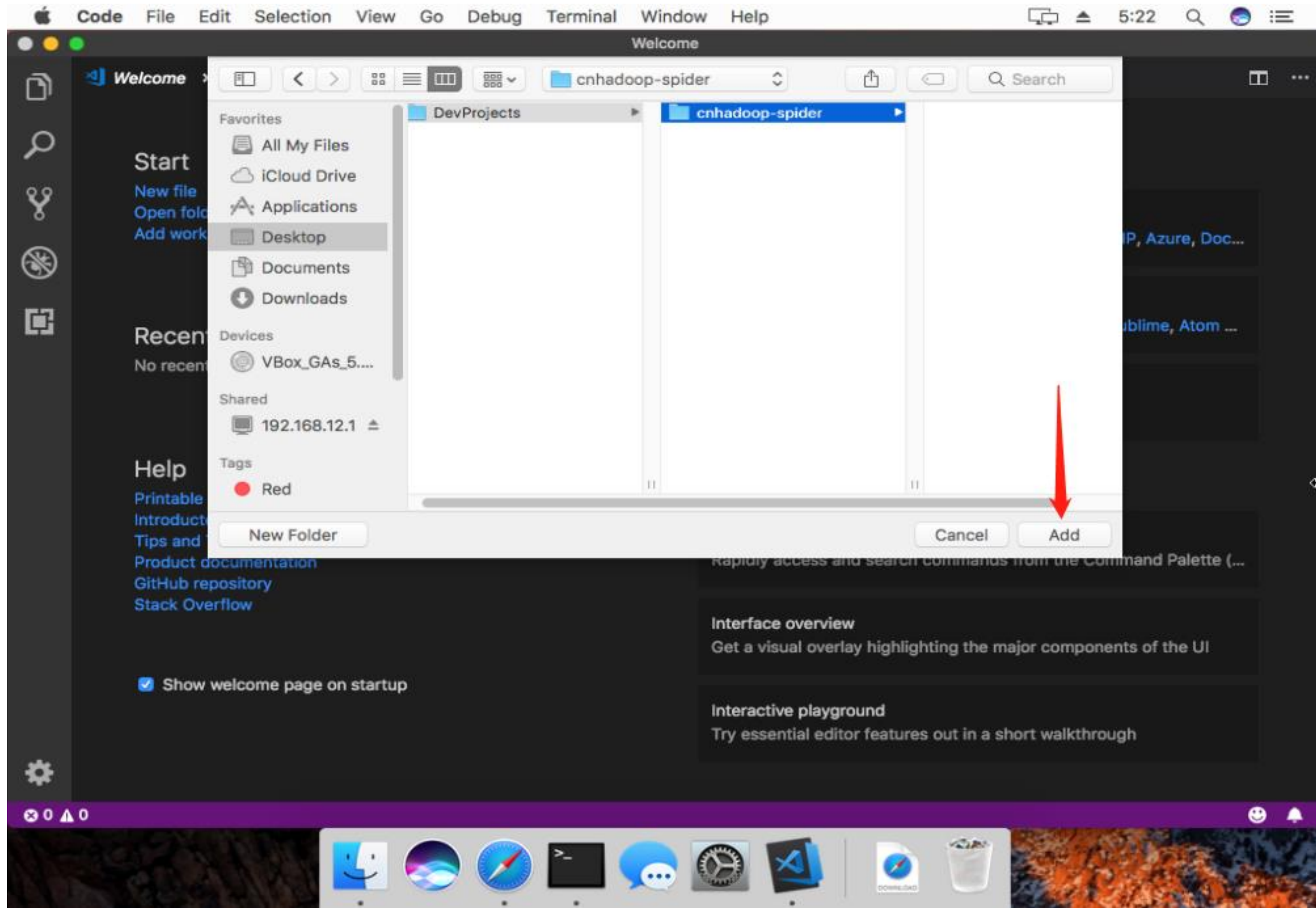


# 打开VSCode进入欢迎界面



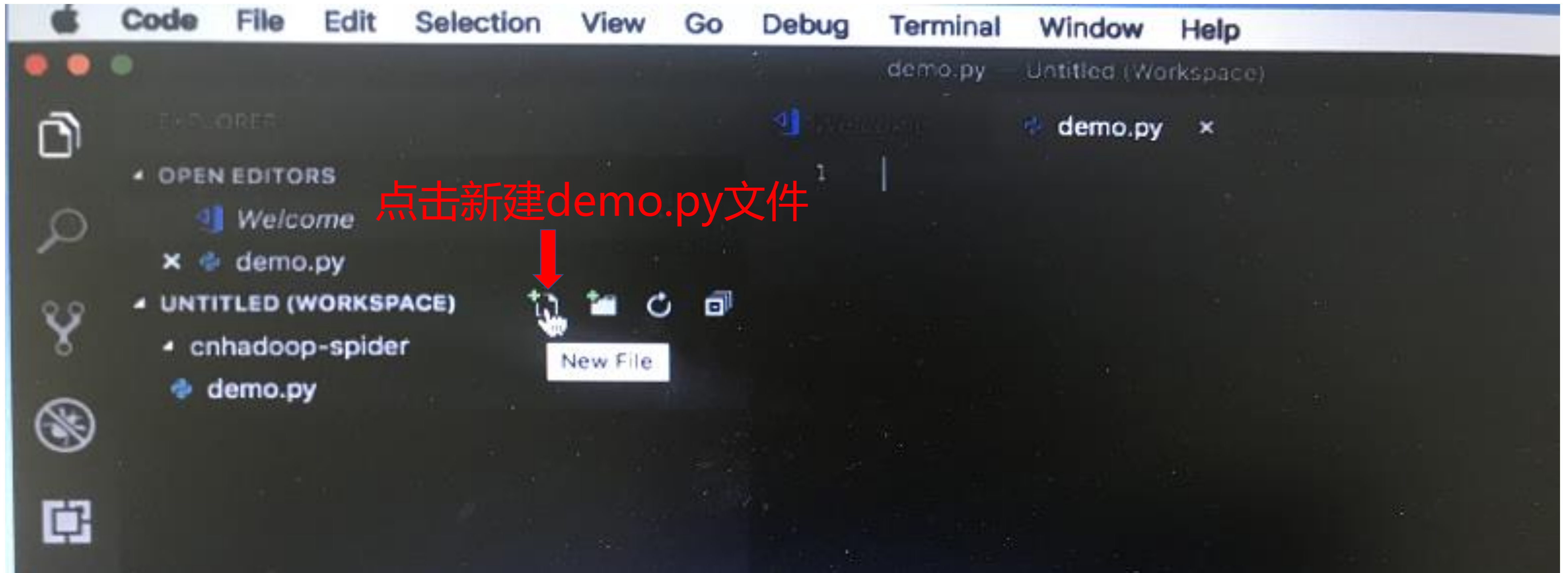


# 添加已经新建好的目录cnhadoop-spider

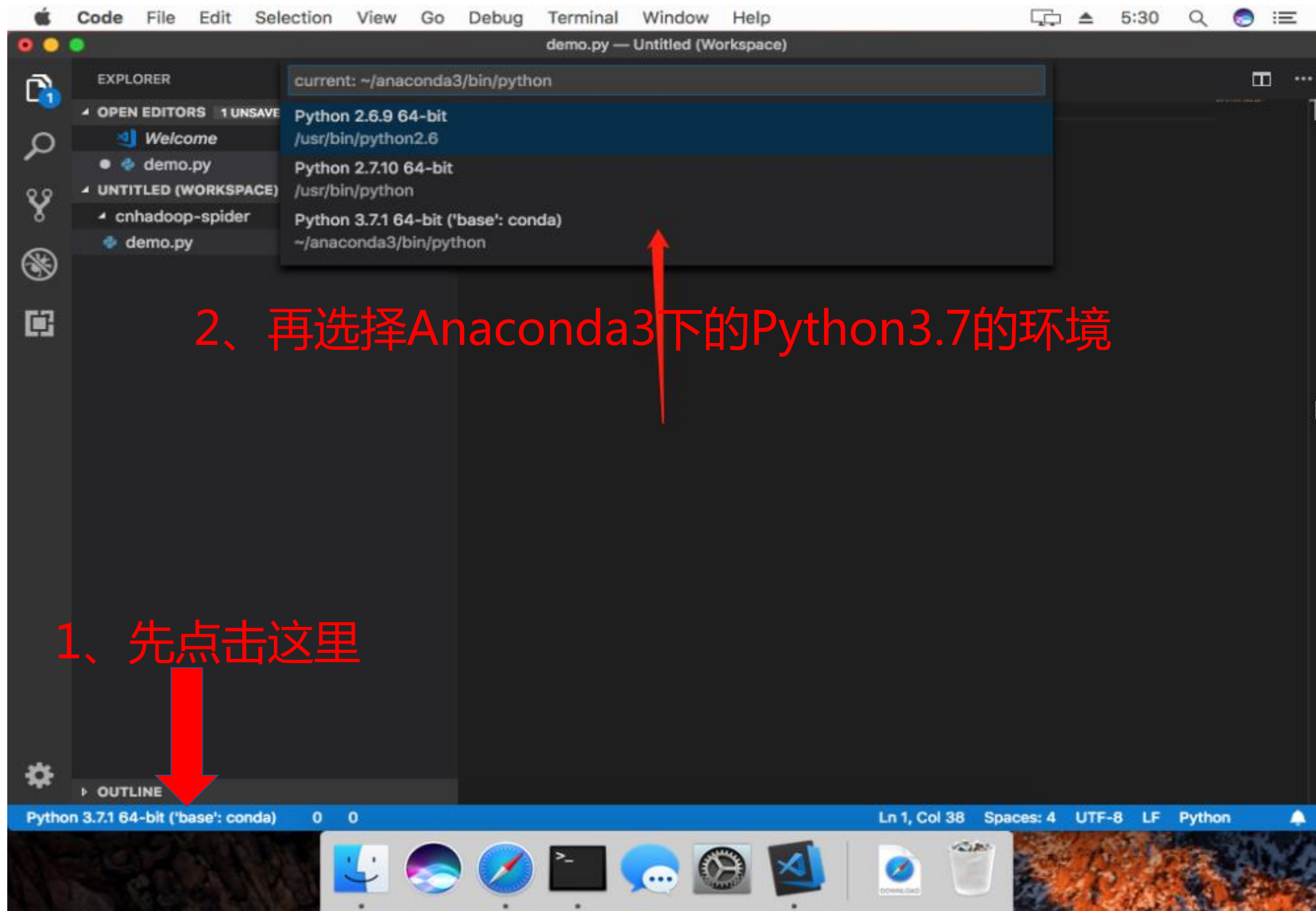




# 新建demo.py文件

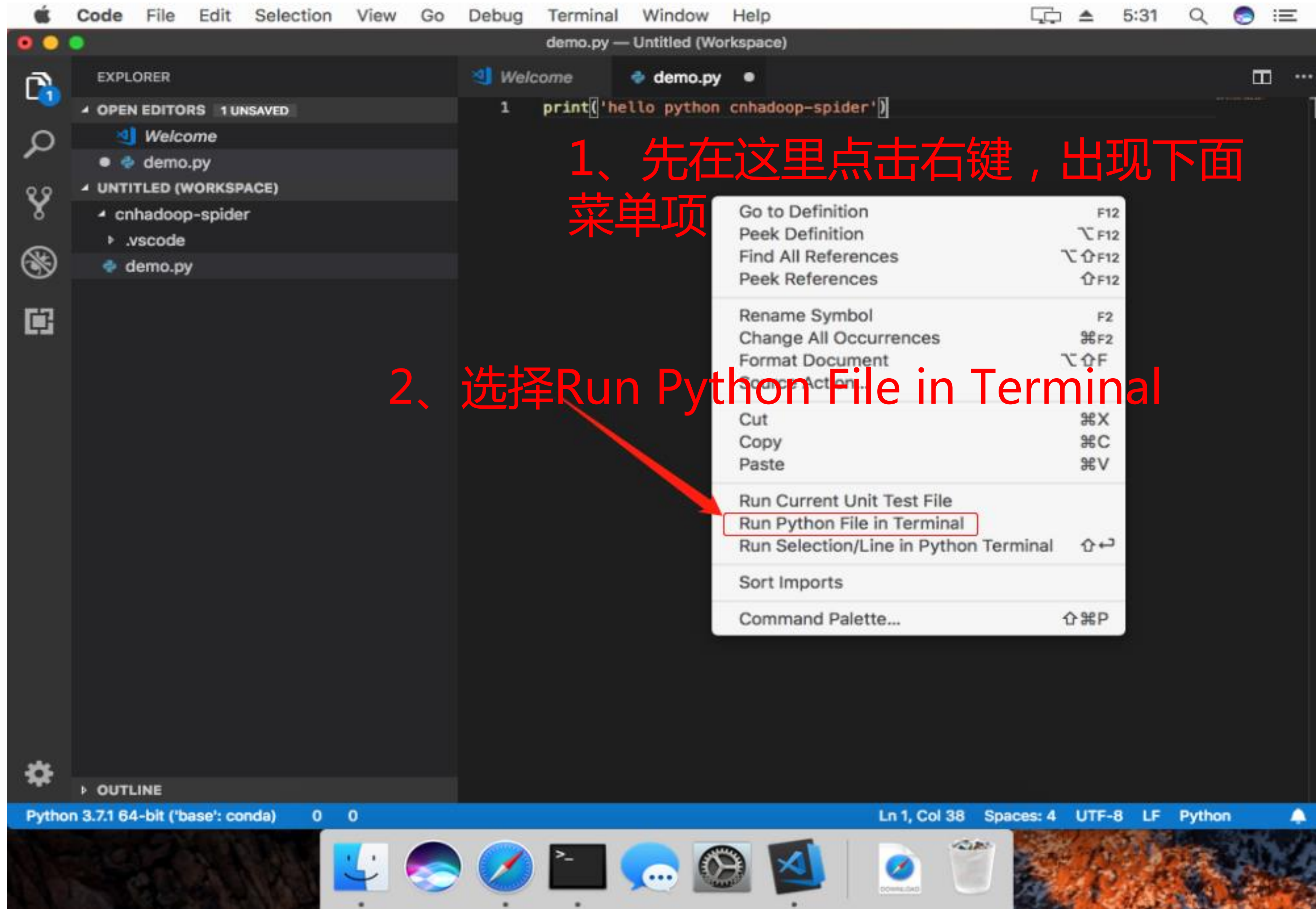


# 选择python环境



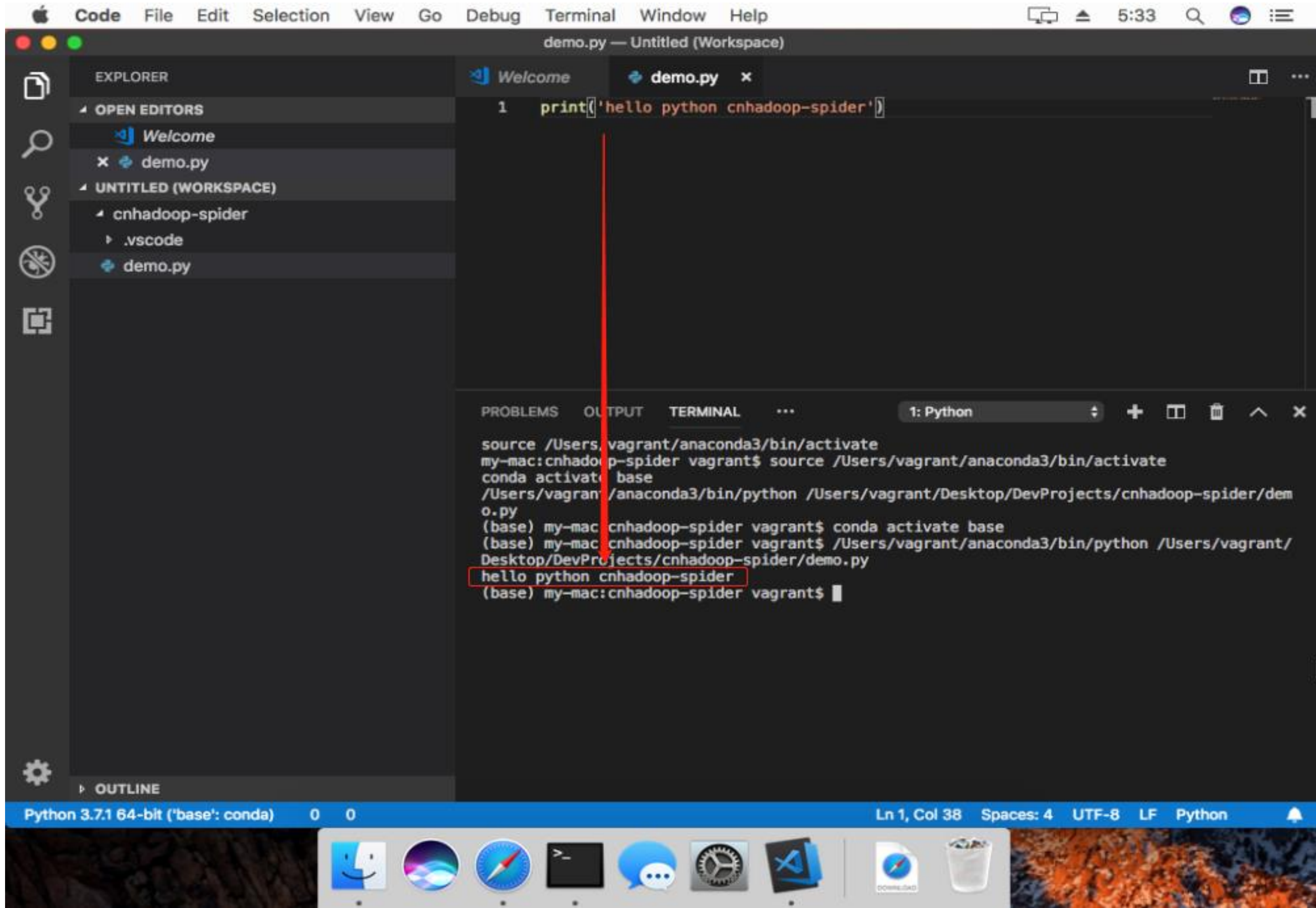


# 写一段print语句，然后右键，运行python文件





# 运行结果



The screenshot displays the Visual Studio Code interface on a macOS system. The Explorer sidebar on the left shows the project structure for 'cnhadoop-spider', including a '.vscode' folder and a 'demo.py' file. The main editor window shows the content of 'demo.py', which contains a single line of Python code: `print('hello python cnhadoop-spider')`. Below the editor, the TERMINAL panel is active, showing the command prompt and the execution of the script. The terminal output shows the activation of the conda environment and the successful execution of the Python script, resulting in the printed message 'hello python cnhadoop-spider'. A red vertical line is drawn from the code in the editor to the corresponding output in the terminal. The status bar at the bottom indicates the Python version as 3.7.1 64-bit ('base': conda) and the current cursor position as Line 1, Column 38.

```
source /Users/vagrant/anaconda3/bin/activate
my-mac:cnhadoop-spider vagrant$ source /Users/vagrant/anaconda3/bin/activate
conda activate base
/Users/vagrant/anaconda3/bin/python /Users/vagrant/Desktop/DevProjects/cnhadoop-spider/demo.py
(base) my-mac:cnhadoop-spider vagrant$ conda activate base
(base) my-mac:cnhadoop-spider vagrant$ /Users/vagrant/anaconda3/bin/python /Users/vagrant/Desktop/DevProjects/cnhadoop-spider/demo.py
hello python cnhadoop-spider
(base) my-mac:cnhadoop-spider vagrant$
```

只为遇见明天更优秀的你！