

**Fw: On fixing M2 problem**

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To: Tilus, Ruth &lt;ruth.victoria.tilus@emory.edu&gt;

 1 attachments (11 KB)

requirements.txt;

**From:** Bian, Simon**Sent:** Monday, February 13, 2023 17:25**To:** Franzosi, Roberto <rfranzo@emory.edu>**Cc:** Zhang, Vanessa <jingyue.zhang@emory.edu>**Subject:** On fixing M2 problem

Good afternoon Prof Franzosi,

I met with Vanessa today, it turns out that the following step shall be sufficient to make NLP Suite an easy install on M2. With the rising usage of M2 everywhere on campus now, I wrote the following instructions so any of your students may find ease in navigating through the software. In the below documentation, all **CODES** have been written in another **font** for better clarity.

1. Install miniconda by: <https://repo.anaconda.com/miniconda/Miniconda3-latest-MacOSX-arm64.pkg> As always like other Apple product, double click / single click from browser, since they are M2 users.
2. Once done, navigate to terminal and input the following code, where the bold line should be the user's name  
**conda activate /Users/USERNAMETOBEREPLACED/miniconda3**  
 For example, mine is **/Users/simonbian/miniconda3**. If this step fails, users will have to first execute **conda env list** to visualize what "miniconda" is called on their machine, like following:

```
(base) simonbian@SimondeMacBook-Air Desktop % pip freeze > requir
(base) simonbian@SimondeMacBook-Air Desktop % conda env list
# conda environments:
#
                                /Users/simonbian/anaconda
                                /Users/simonbian/anaconda/envs/NLP
                                /Users/simonbian/miniconda
base                               * /Users/simonbian/miniconda3
NLP                               /Users/simonbian/miniconda3/envs/NLP
```

Once they identify where miniconda or analogs of "miniconda" is, they copy the highlighted file, and execute

**conda activate /THATCOPIEDDIRECTORYINBLUE**

For instance, conda activate /Users/simonbian/miniconda3

3. Save the attachment I sent in this email in **Desktop**. Then use the following command to ensure one is at Desktop:

```
cd --
```

```
cd Desktop
```

4. Once requirements.txt is in their desktop, in the same terminal, type the following code and execute

```
cat requirements.txt | xargs -n 1 pip3 install
```

5. Let the user know that anything red is expected, since it is machine dependent.

6. Finally, execute the following:

```
pip3 install tensorflow-macos
```

```
pip3 install tensorflow-metal
```

Then they will be free to delete "requirements.txt" when they want. Step 3 can be done in any way so long as the user can finally navigate to a folder with requirements.txt, the only purpose is to quickly install all the packages that are native to M2.

Then they can execute the software as usual. Pip3 and pip shall be interchangeable words, as is miniconda with miniconda3.

Sincerely,  
Simon Bian