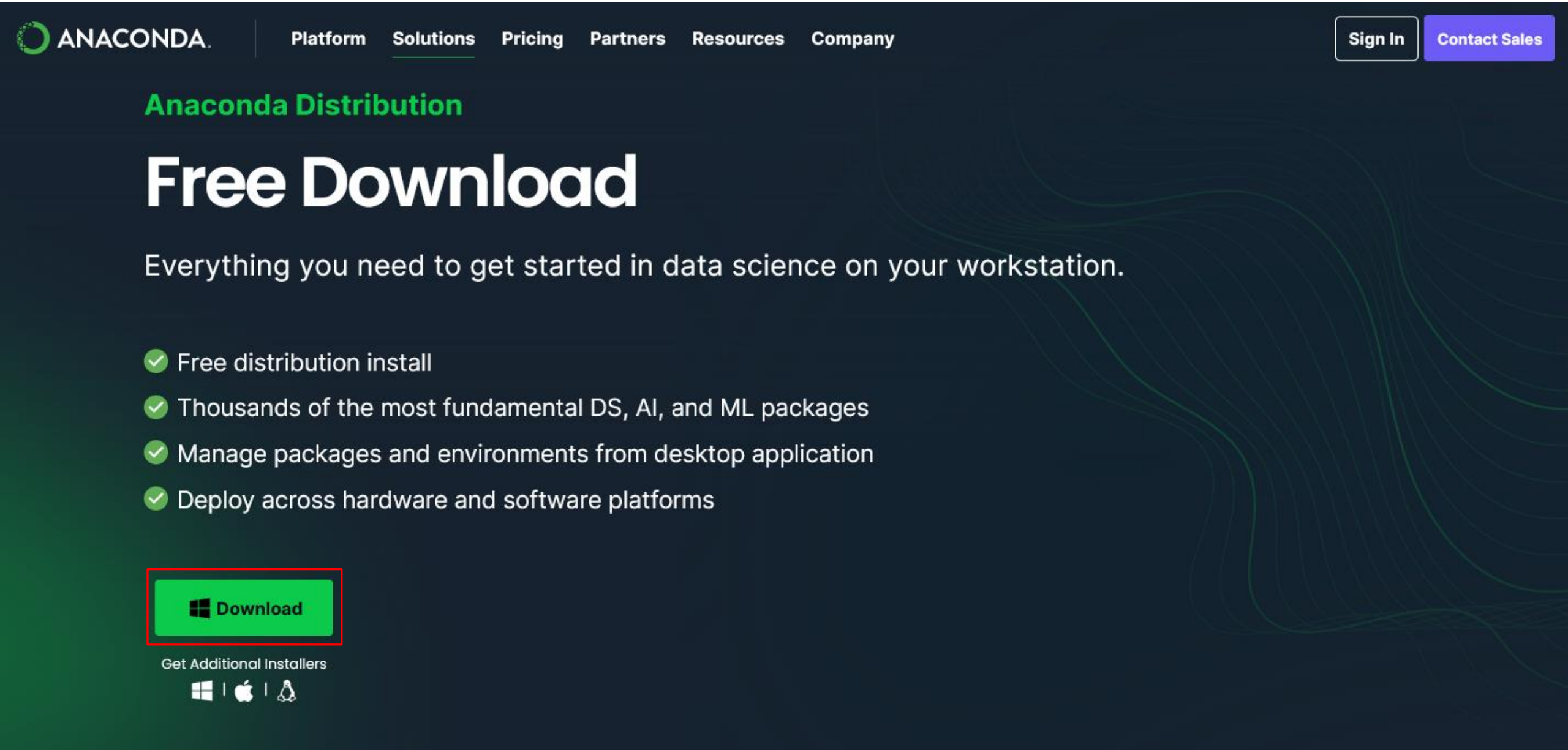
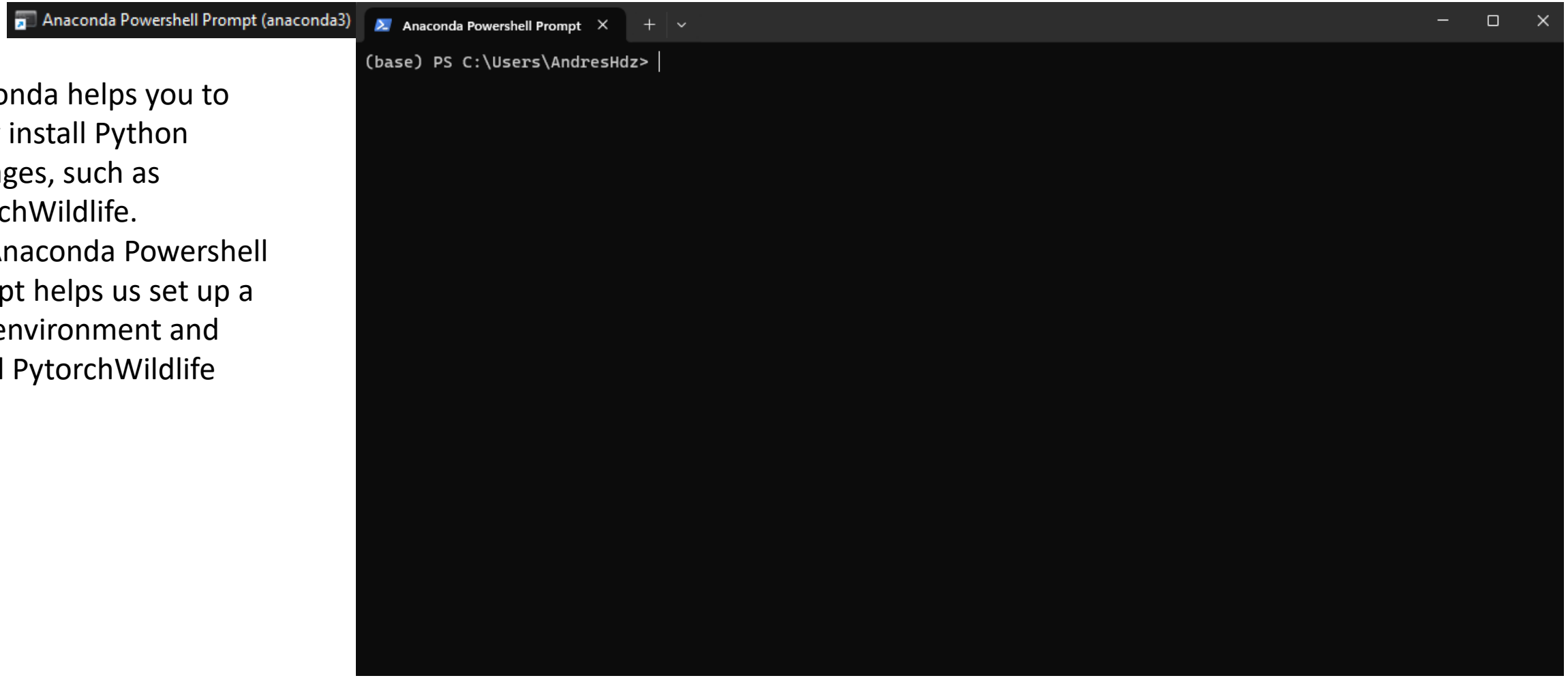
Pytorch-Wildlife Installation instructions

1. Install Anaconda



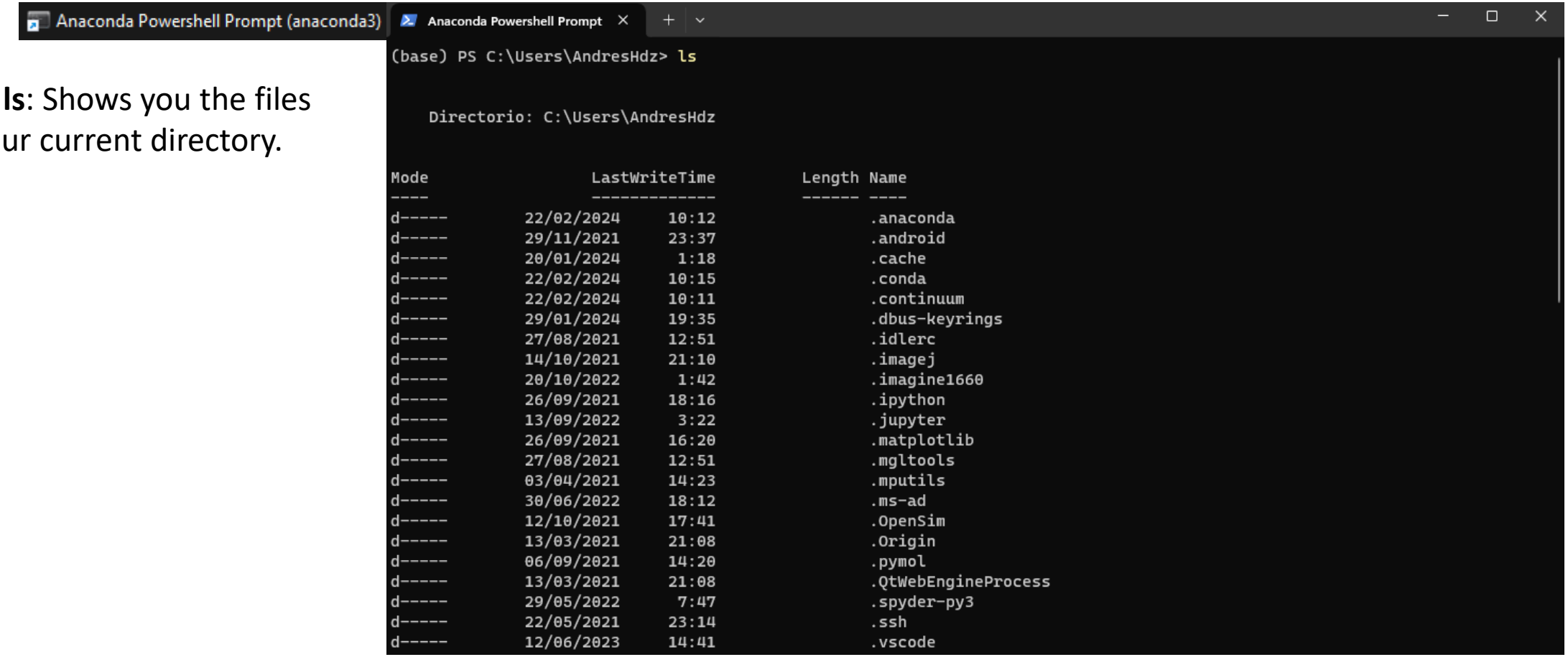
2. Open the powershell prompt

- Anaconda helps you to easily install Python packages, such as PytorchWildlife.
- The Anaconda Powershell Prompt helps us set up a new environment and install PytorchWildlife



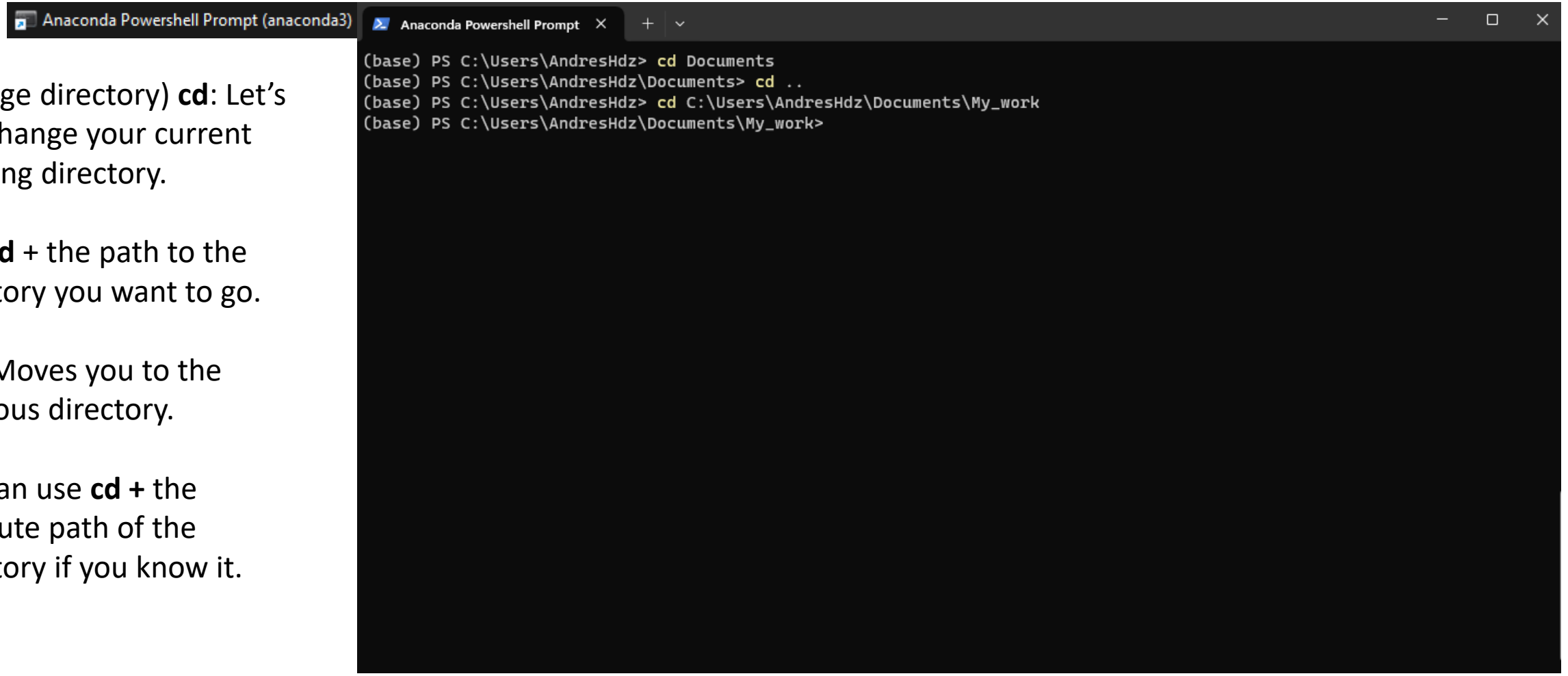
3.1 Navigate to your destination folder

- (list) **ls**: Shows you the files in your current directory.



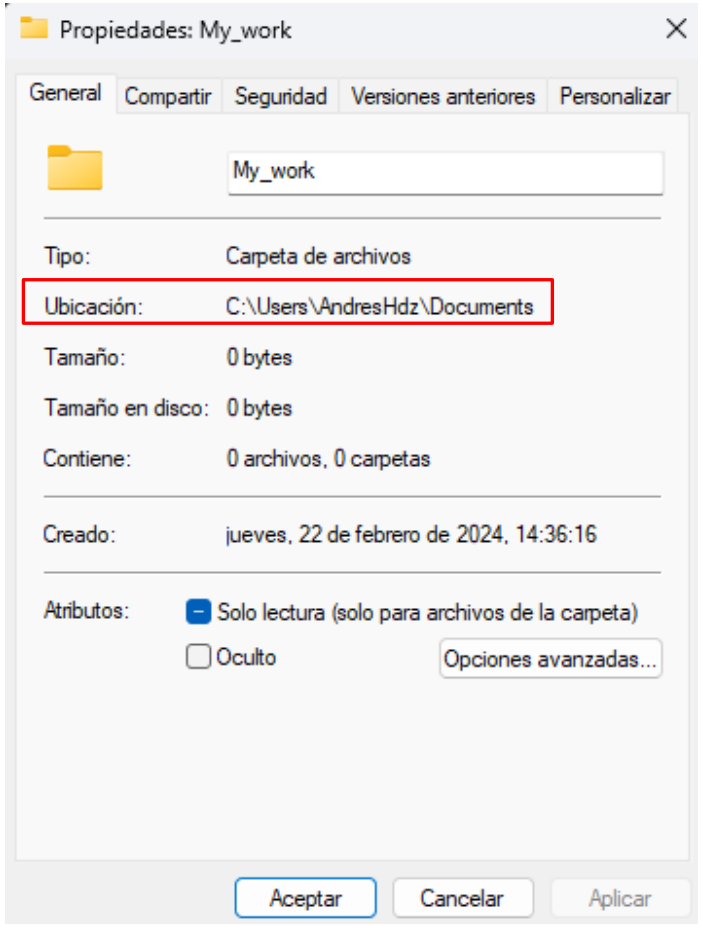
3.2 Navigate to your destination folder

- (change directory) **cd**: Let's you change your current working directory.
- Use **cd** + the path to the directory you want to go.
- **cd** .. Moves you to the previous directory.
- You can use **cd +** the absolute path of the directory if you know it.



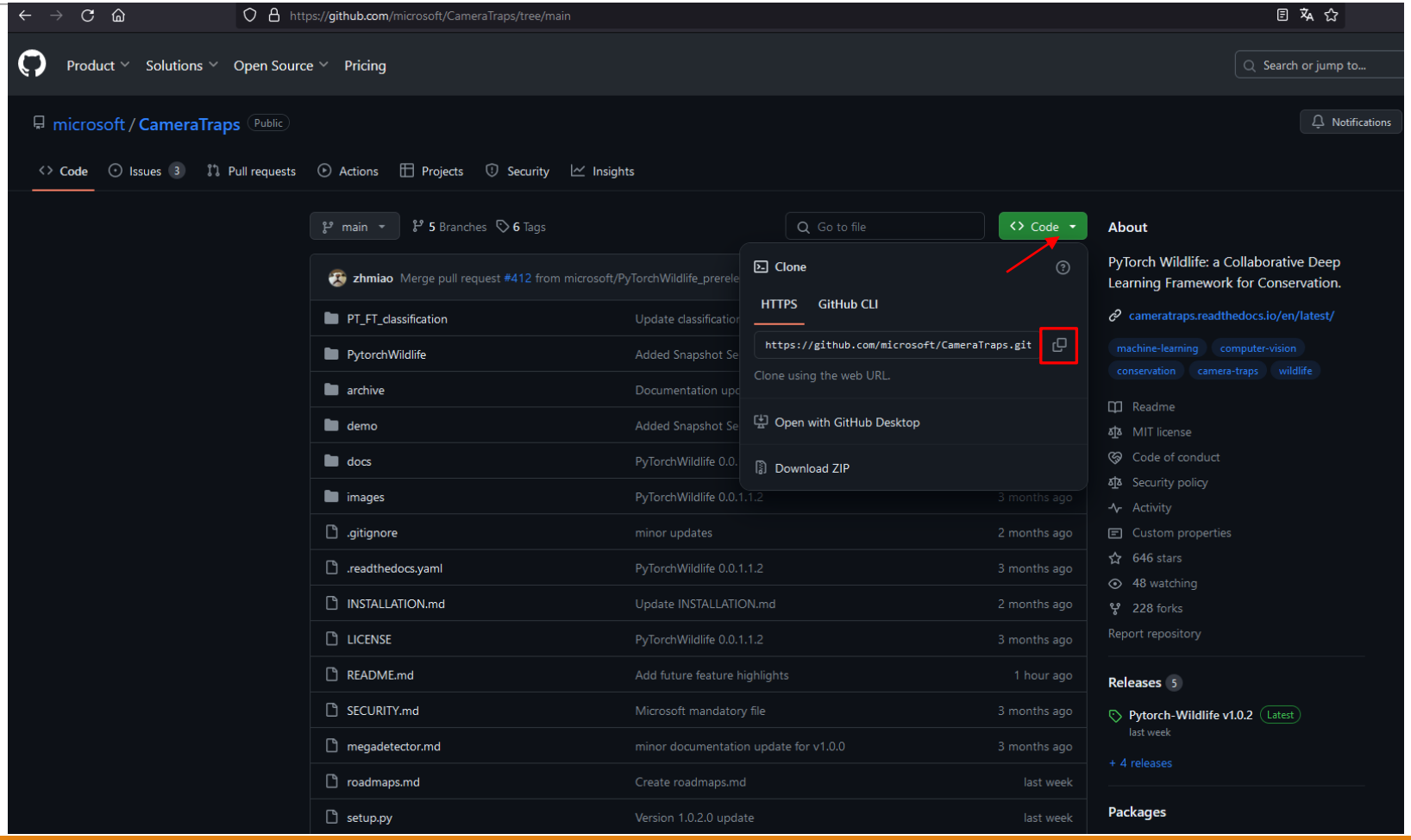
3.3 Navigate to your destination folder

- If you want to know the absolute path of the folder that you want to use. Right-click and click **properties.** It will show you the path.



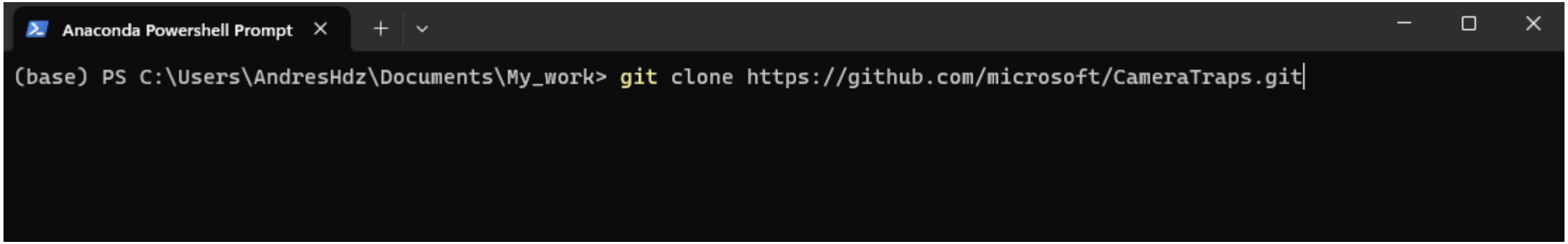
4.1 Clone the CameraTraps repo

- Go to github.com/microsoft/CameraTraps/tree/main and copy the link.



4.2 Clone the CameraTraps repo

- The PytorchWildlife GitHub repo contains a set of installation instructions, we will be following them. https://github.com/microsoft/CameraTraps/blob/main/INSTALLATION.md



Clone the repository by typing **git clone** https://github.com/microsoft/CameraTraps.git in the Anaconda Powershell Prompt

4.3 Clone the CameraTraps repo

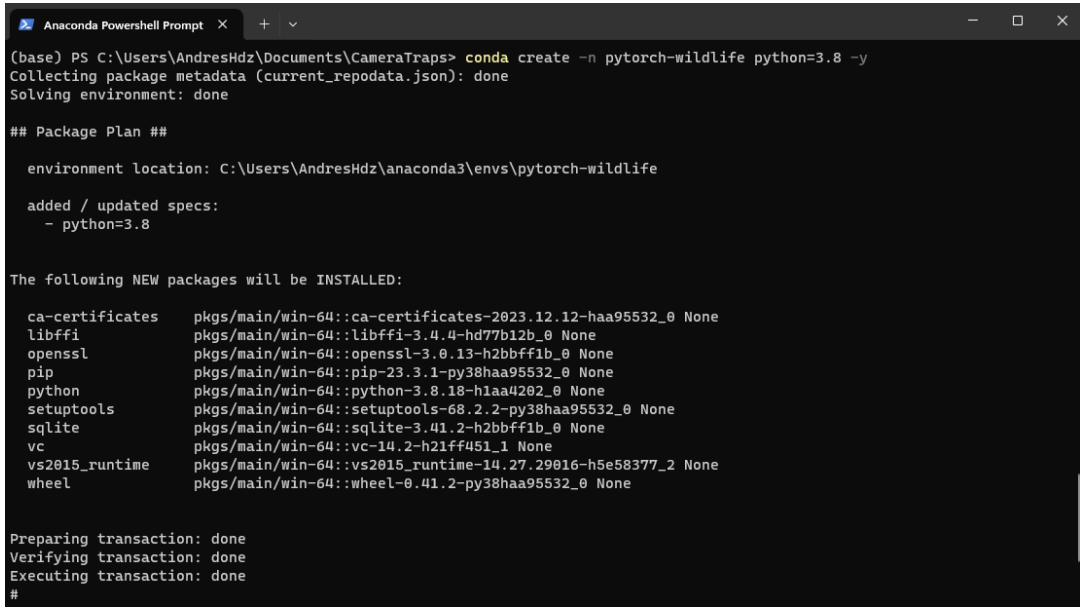
Once cloned, you should have a **CameraTraps** directory, you can check if it is there by typing **ls.**

Go to the CameraTraps directory by typing **cd CameraTraps**

5.1 Create a new conda environment

Following PytorchWildlife's installation instructions, we are going to create a conda environment. Run the following code in your Anaconda Powershell Prompt:

conda create -n pytorch-wildlife python=3.8 -y
conda activate pytorch-wildlife




```
(base) PS C:\Users\AndresHdz\Documents\CameraTraps> conda activate pytorch-wildlife
(pytorch-wildlife) PS C:\Users\AndresHdz\Documents\CameraTraps>
```

You know you have set up the environment correctly once the **(base)** changes to **(pytorch-wildlife)**.

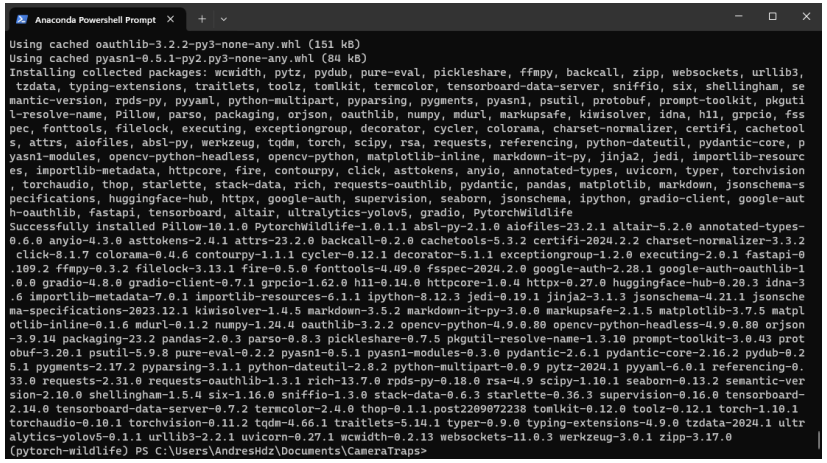
6. Install Pytorch-Wildlife

We have focused on making Pytorch-Wildlife easy to install, you only need to run one command to set it up!

pip install PytorchWildlife

```
(pytorch-wildlife) PS C:\Users\AndresHdz\Documents\CameraTraps> pip install PytorchWildlife
```

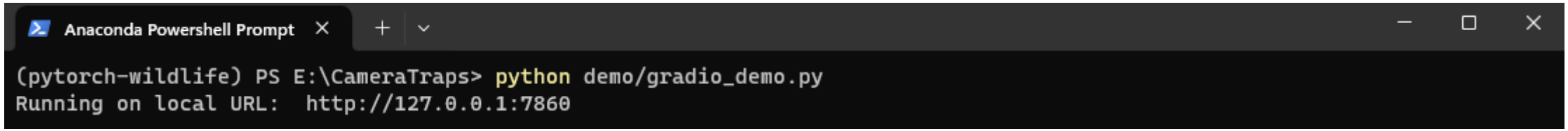
Once it is done installing, it will tell you that the installation is complete, **it may take several minutes.**



7.1 Start using our demo!

PytorchWildlife comes with a set of instruction for people with and without technical knowledge! If you want to load our user interface, run the following command (Make sure your path is in the CameraTraps folder):

python demo/gradio_demo.py



Once loaded, the Anaconda Powershell Prompt Will show a URL to access the demo, copy and paste it in your web browser without closing the Powershell.

7.2 Start using our demo!

Once you paste the URL to your web browser, you can start using the demo!
Please remember that this demo uses the processing capabilities from your local computer.