**SegTrack**

In order to simplify running the script we will download the following programs, the first lets you easily install all the decencies for the software (anaconda (64-Bit Graphical Installer)), and the second provides a nice interface for running the code (VScode).

<https://www.anaconda.com/products/individual>

https://code.visualstudio.com/download

Graphical user interface, application

Description automatically generatedGraphical user interface, website

Description automatically generated

2. Then once we have the anaconda installed, we should see the following home page Graphical user interface, application, Teams

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We then select the environments tab on the left and we should see the following page

Graphical user interface, application

Description automatically generated

We then select “not Installed” in the package search window, and we can search ad select for the following packages ( if some don’t show up they may already be installed).

* TensorFlow
* Keras
* NumPy
* Sklearn
* Matplotlib
* PIL
* OpenCV

Then we can run the programs in VS code, we start by opening the folder with our code in vs code, and we should see the following page:

A screenshot of a computer screen

Description automatically generated

The bottom left is the current python interpreter we are using, make sure this is the Conda interpreter we have set up ( you can click on it to change it).­­

Then we can test a video by analyzing it with the pretrained model, the way we do this is by editing the video path and changing the name of our output csv, which are in the last few lines of code in the Trackvideo.py file. Then we can run it by either typing “python trackvideo.py” in the bottom terminal or we can click the green play button on the top right of the screen

A screenshot of a computer screen

Description automatically generated

1. If the Model is not able to predict coordinates (csv output has nan instead of coordinates) you can train a new model by running the mainpage.py file and following the video tutorial.