How to setup KiloSort on Windows 10 computer

Required software:

* Matlab R2018a
* CUDA (NVIDIA)
  + Make sure NOT to check the Visual Studio plug in
    - Must manually set the plug in for setup
    - For some reason, the Visual Studio plug in provides an error that prevents the set up of CUDA
* Visual Studio 2013 Community
  + Make sure to set it up AFTER matlab
  + This is the compiler, but it only works in 32-bit
    - However matlab requires the 64-bit
    - Follow these instructions:
      * <https://docs.microsoft.com/en-us/previous-versions/visualstudio/visual-studio-2013/x4d2c09s(v=vs.120)>
    - SUMMARY: In command prompt type:
      * cd "\Program Files (x86)\Microsoft Visual Studio 12.0\VC"
      * vcvarsall amd64\_arm

Then in MATLAB, you can set up following:

* ignore all the warnings that pops up, you can still continue;
  + example of the WARNING:

MEX configured to use 'Microsoft Visual C++ 2013' for C++ language compilation. Warning: The MATLAB C and Fortran API has changed to support MATLAB variables with more than 2^32-1 elements. You will be required to update your code to utilize the new API. You can find more information about this at: <https://www.mathworks.com/help/matlab/matlab_external/upgrading-mex-files-to-use-64-bit-api.html>

* + - mex -setup C++
    - mex -setup:'C:\Program Files\MATLAB\R2018a\bin\win64\mexopts\msvcpp2013.xml' C++
    - cd C:\Users\admin-liubaohu\Documents\KiloSort-master\KiloSort-master\CUDA
    - mexGPUall

Other required software

* Python/Miniconda
* Phy (python package)
* npy-matlab