**Life Detection QSTP Day 1**

1. **Python** **installation**:
   * <https://www.python.org/downloads/>
   * Windows: <https://www.youtube.com/watch?v=4Rx_JRkwAjY>
   * Mac: <https://www.youtube.com/watch?v=TgA4ObrowRg>
2. **Ubuntu** **18.04 LTS Subsystem (For Windows only)**:
   * <https://www.microsoft.com/store/productId/9N9TNGVNDL3Q>
   * Instructions: <https://docs.microsoft.com/en-us/windows/wsl/install-win10>
3. **VsCode**: Recommended Editor
   * <https://code.visualstudio.com/>
4. **Python** **packages** (Run the bash script)
5. **Git**:
   * <https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>
6. Create a Github student account with your BITS ID
7. Create a Google Colab account with your BITS ID
   * <https://colab.research.google.com/>
8. **Cuda installation** (optional):
   * <https://developer.nvidia.com/cuda-downloads>

**Python Packages installation** for windows or if the bash file doesn’t work:

**OpenCV**: pip install opencv-python-headless

**Scipy, Numpy, Pandas, Matplotlib**: python -m pip install --user numpy scipy matplotlib ipython jupyter pandas sympy nose

**Jupyter**: pip install notebook

**Scikit**: pip install scikit-learn

**iPython Widgets**:

pip install ipywidgets

jupyter nbextension enable --py widgetsnbextension

**nbInteract:** pip install nbinteract

**Pytorch**: <https://pytorch.org/get-started/locally/>