Packages for WBC\_Recognition Environment:

Instructions:

1. Install all packages on requirements.txt

For example:

Pip install opencv-contrib-python

Pip install keras

Pip install tensorflow

1. Change all User paths to match own folder path.

For example:

test\_dir\_eos = **"/Users/greggbernelegarda/Desktop/WBC\_Recognition/blood-cells/dataset2-master/dataset2-master/images/TEST/EOSINOPHIL"**test\_dir\_lym = **"/Users/greggbernelegarda/Desktop/WBC\_Recognition/blood-cells/dataset2-master/dataset2-master/images/TEST/LYMPHOCYTE"**test\_dir\_mon = **"/Users/greggbernelegarda/Desktop/WBC\_Recognition/blood-cells/dataset2-master/dataset2-master/images/TEST/MONOCYTE"**test\_dir\_neu = **"/Users/greggbernelegarda/Desktop/WBC\_Recognition/blood-cells/dataset2-master/dataset2-master/images/TEST/NEUTROPHIL"**test\_imgs\_eos = [**"/Users/greggbernelegarda/Desktop/WBC\_Recognition/blood-cells/dataset2-master/dataset2-master/images/TEST/EOSINOPHIL/{}"**.format(i) **for** i **in** os.listdir(test\_dir\_eos)]  
test\_imgs\_lym = [**"/Users/greggbernelegarda/Desktop/WBC\_Recognition/blood-cells/dataset2-master/dataset2-master/images/TEST/LYMPHOCYTE/{}"**.format(i) **for** i **in** os.listdir(test\_dir\_lym)]  
test\_imgs\_mon = [**"/Users/greggbernelegarda/Desktop/WBC\_Recognition/blood-cells/dataset2-master/dataset2-master/images/TEST/MONOCYTE/{}"**.format(i) **for** i **in** os.listdir(test\_dir\_mon)]  
test\_imgs\_neu = [**"/Users/greggbernelegarda/Desktop/WBC\_Recognition/blood-cells/dataset2-master/dataset2-master/images/TEST/NEUTROPHIL/{}"**.format(i) **for** i **in** os.listdir(test\_dir\_neu)]