Weekly Report

09/08/2020

- Install OpenCV, GDAL via VCPKG
 - set vcpkg as system variable path
 - o install x64 version
- Learn how to use CMAKE
 - write CMakeLists.txt
 - use command line to compile the main.cpp via CMAKE
 - o build the project
- Write a program computing mean and standard deviation for all input images
 - use <gdal_priv.h> to read the *.tif file and get its information like Xsize, Ysize, number of bands
 - use GetStatistics function to get the mean and standard deviation for all pixels in a band
 - use <io.h> to read the filename of certain type in batches using struct _finddata_t, function _findfirst and _findnext
 - o print the results to a *.txt file
- Write a program fitting a best line/plane from a specific point set
 - o get a library of generic RANSAC from GitHub
 - o compile and run the program