**Homework Assignment 2: Window-based Stereo Matching**

**NOTE:** Before running my code, please install progressbar by running “pip install progressbar”

1. Basic stereo algorithm on simple grayscale image
   1. Ps2-1-a-1/2.png



1. Basic stereo algorithm on real image
   1. Ps2-2-a-1/2.png
   2. Compare your results to pari1-D\_dropL/R.png

**This is my answer.**

1. Basic stereo algorithm on simple grayscale image with added noise/brightness
   1. Ps2-3-a-1/2.png: analysis of results compared to question 2

**This is my answer.**

* 1. Ps2-3-b-1/2.png: analysis of results compared to question 2

**This is my answer.**

1. Normalized correlation
   1. Ps2-4-a-1/2.png: describe how it compares to SSD and to ground truth

**This is my answer.**

* 1. Ps2-4-b-1/2/3/4.png: analyze results comparing original to noise and contrast-boosted images

**This is my answer.**

1. Normalized correlation on smooth/sharp/etc. images
   1. Ps2-5-a-1/2.png: analyze what it takes to make stereo work using window-based approach

**This is my answer.**