

ENEE 2530 – Homework 7 – Fall 2020

PYTHON HOMEWORK

NOTE: Please upload your code as a single file in the appropriate folder on Moodle.

For this assignment, we have to write a Python function that creates a path within an array, **A**. The array should contain random numbers from 0 to 0.5. We will start at location [0,0] in the array, and then move from the current location either right or down. In particular, we will move to the location that contains the largest of the two values. When we move to the new location, we should set the value at this location equal to **1**. This process should continue until either the right border or the bottom border of array **A** is reached.

Please remember that a function is defined as follows:

```
def my_function(input1, input2, ...): # my_function is the name of the function
    <code goes here>
    return <something is returned here as an output>
```

For this assignment, the function should accept array **A** as the input, and produce the modified array **A** (which includes the path of **1**s as the output). In your code, call the function and display its output as a grayscale image. We should be able to clearly see the white path in the image.