

# Welcome to your 310 Portfolio

A progression of learning for CSC/DSP 310: Programming for Data Science at University of Rhode Island.

## About Me

My name is Masoud. I am a PhD student in Civil Engineering and interested in application of AI in Civil and Transportation Engineering.

## Data Science, to me

Data Science could be defined as combining mathematics, statistics, coding and expertise to obtain insights out of data.

```
def compute_grade(num_level1, num_level2, num_level3):  
  
    if num_level1 == 15 and num_level2 == 15 and num_level3 == 15:  
        return(print('letter_grade : A'))  
  
    elif num_level1 < 15:  
        if 10 <= num_level1 :  
            return(print('letter_grade : C-'))  
        elif 5 <= num_level1 < 10:  
            return(print('letter_grade : D+'))  
        elif 0 <= num_level1 < 5:  
            return(print('letter_grade : D'))  
    elif num_level1 == 15 and num_level2 < 15:  
        if 10 <= num_level2 < 15:  
            return(print('letter_grade : B-'))  
        elif 5 <= num_level2 < 10:  
            return(print('letter_grade : C+'))  
        elif 0 <= num_level2 < 5:  
            return(print('letter_grade : C'))  
    elif num_level1 == 15 and num_level2==15 and num_level3 < 15:  
        if 10 <= num_level3 < 15:  
            return(print('letter_grade : A-'))  
        elif 5 <= num_level3 < 10:  
            return(print('letter_grade : B+'))  
        elif 0 <= num_level3 < 5:  
            return(print('letter_grade : B'))
```

```
compute_grade(15, 14, 14)
```

```
letter_grade : B-
```

```
compute_grade(15, 15, 7)
```

```
letter_grade : B+
```

```
compute_grade(15, 2, 1)
```

```
letter_grade : C
```

