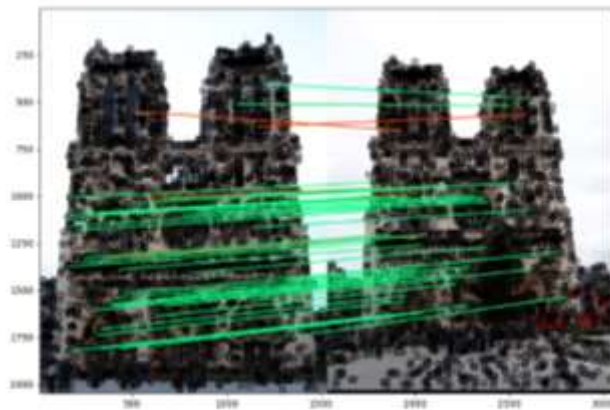# Local Feature Matching using the SIFT algorithm

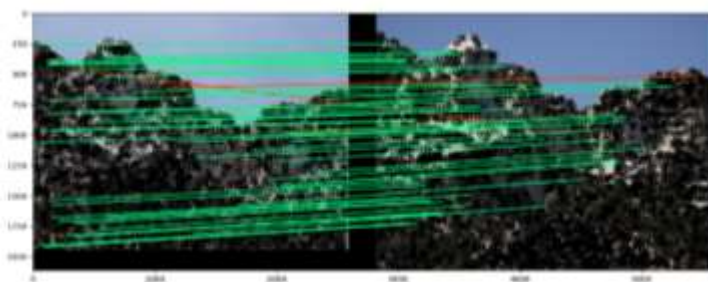*CIE 552 Mini project 2*

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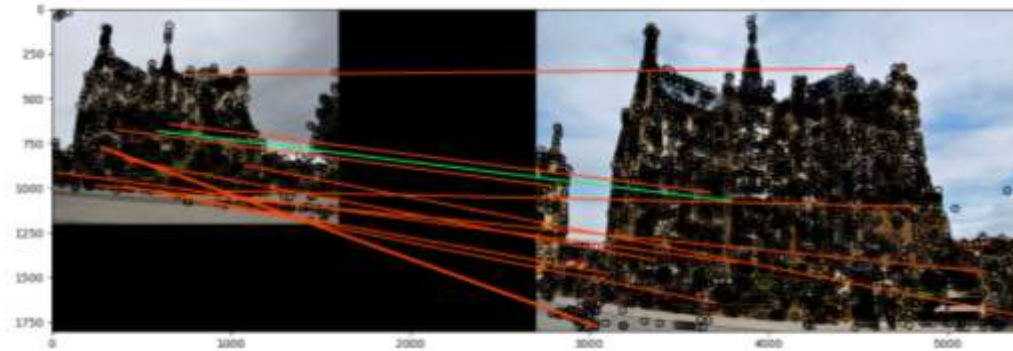# 1- Results using the Notre Dame Image pair


```
C:\Users\khale\anaconda3\python.exe "K:/Mini-Project 2/code/main.py" -p notre_dame
Getting interest points...
Done!
Getting features...
Done!
Matching features...
Done!
Matches: 126
Accuracy on 50 most confident: 86%
Accuracy on 100 most confident: 83%
Accuracy on all matches: 74%
Vizualizing...
```

2- Results using the Mt. Rushmore image pair


```
C:\Users\khale\anaconda3\python.exe "K:/Mini-Project 2/code/main.py" -p mt_rushmore
Getting interest points...
Done!
Getting features...
Done!
Matching features...
Done!
Matches: 131
Accuracy on 50 most confident: 94%
Accuracy on 100 most confident: 89%
Accuracy on all matches: 87%
Vizualizing...
```

3- Results using the Episcopal Gaudi image pair


```
C:\Users\khale\anaconda3\python.exe "K:/Mini-Project 2/code/main.py" -p e_gaudi
Getting interest points...
Done!
Getting features...
Done!
Matching features...
Done!
Matches: 13
Accuracy on all matches: 7%
Vizualizing...
```