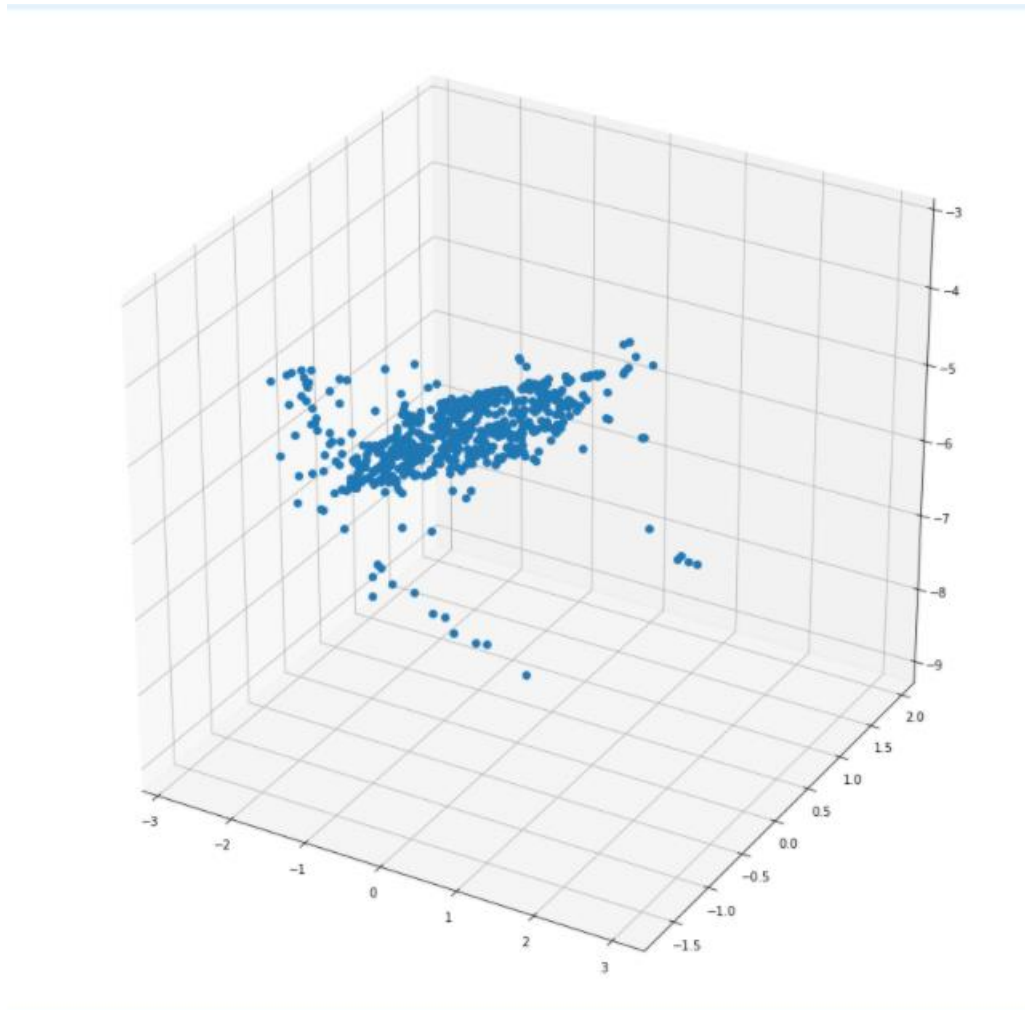# SIT789 - Applications of Computer Vision and Speech Processing
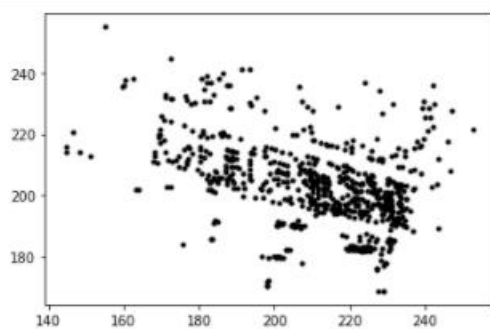## Pass Task 6.1: 3D Vision

House.p3d Visualisation:

3D projection of house.p3d:
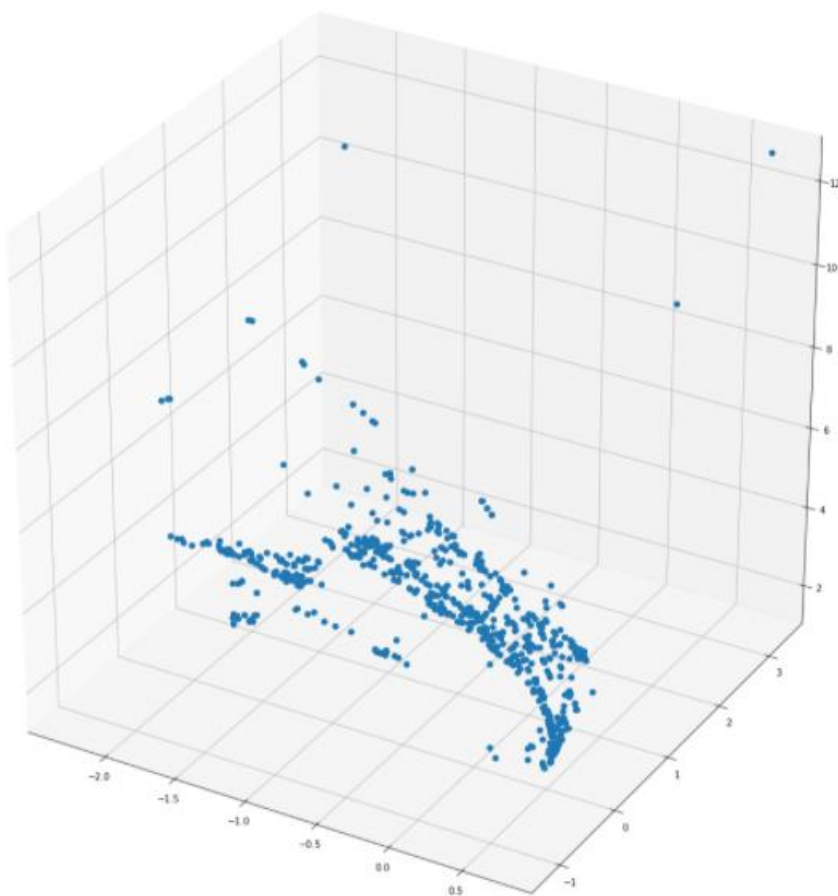
n_points =6 of the number of points in points_3D with the corresponding distance = **_0.01231894491141471_**
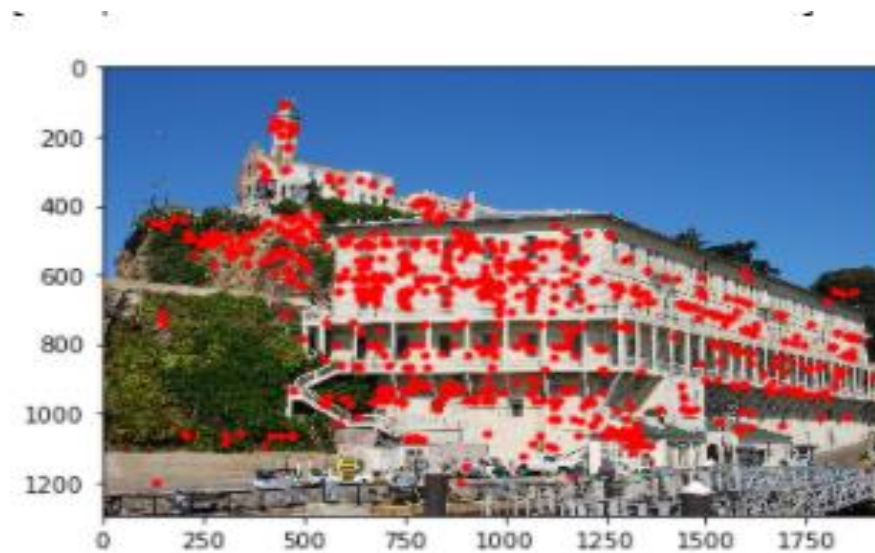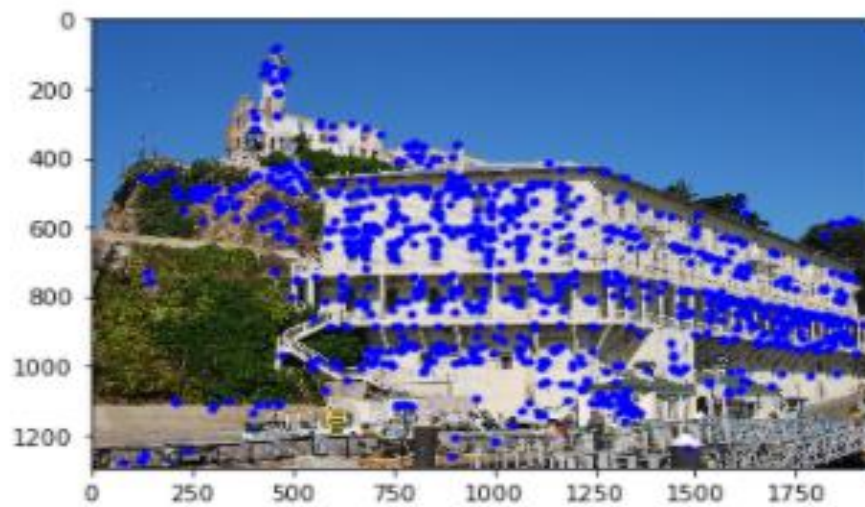
Best matches of the two image files alcatraz1.jpg and alcatraz2.jpg and its visualisation:

Reconstructed 3D points and their visualisation:

Visualising the original points (computed using SIFT) on img2 and the image points (computed by projecting X with camera matrix P2) on img2.:

From the visualisation both set of points look similar to each other visually but are not exactly the same as each other.