

3D-SIS : 3D semantic instance segmentation  
of RGB-D scans.

### Summary

1. In addition to the 3D geometry data (which I assume to be point cloud), they also transform the RGB data into 3D color features.
2. Given the 2 images, they perform 2D conv. to obtain 2D features
3. They then backproject the resulting feature vectors to the corresponding voxel in the 3D grid.
4. Given the 3D geometry and 3D color feature, they input them into an end-to-end framework for 3D instance segmentation.