**Mask RCNN Image Segmentation**

**Links:**

1. <https://github.com/matterport/Mask_RCNN>
2. <https://www.kaggle.com/drt2290078/mask-rcnn-sample-starter-code>
3. <https://engineering.matterport.com/splash-of-color-instance-segmentation-with-mask-r-cnn-and-tensorflow-7c761e238b46>
4. <https://github.com/matterport/Mask_RCNN/blob/master/samples/shapes/train_shapes.ipynb>
5. <https://gilberttanner.com/blog/getting-started-with-mask-rcnn-in-keras>

Flow:

Convolutional neural network (CNN)

ROI Align Stage

Region Proposal network (RPN)

Image

Creates anchor boxes or Region of Interests (ROIs)

Converts all ROIs to same size and orientation

Masks

Class

Fully Connected Network (FCN)

Bboxes

Conv Nets (CNN)

Inferences:

* RPN\_ANCHOR\_SCALES - <https://github.com/matterport/Mask_RCNN/issues/1556>