

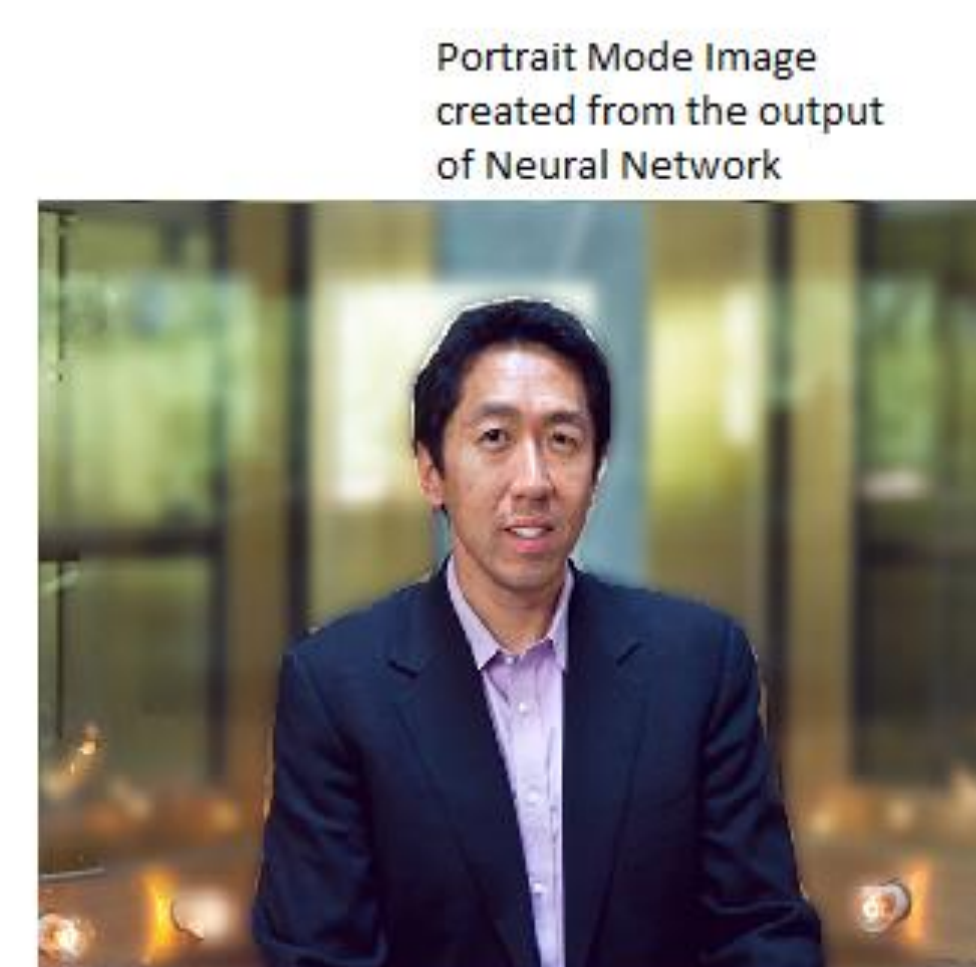
# Portrait Mode of an Image using Convolutional Neural Networks

Kedarnath Kurnool Gandla, Sridhar Ramesh Babu, Sri Vishnu Yandrapati

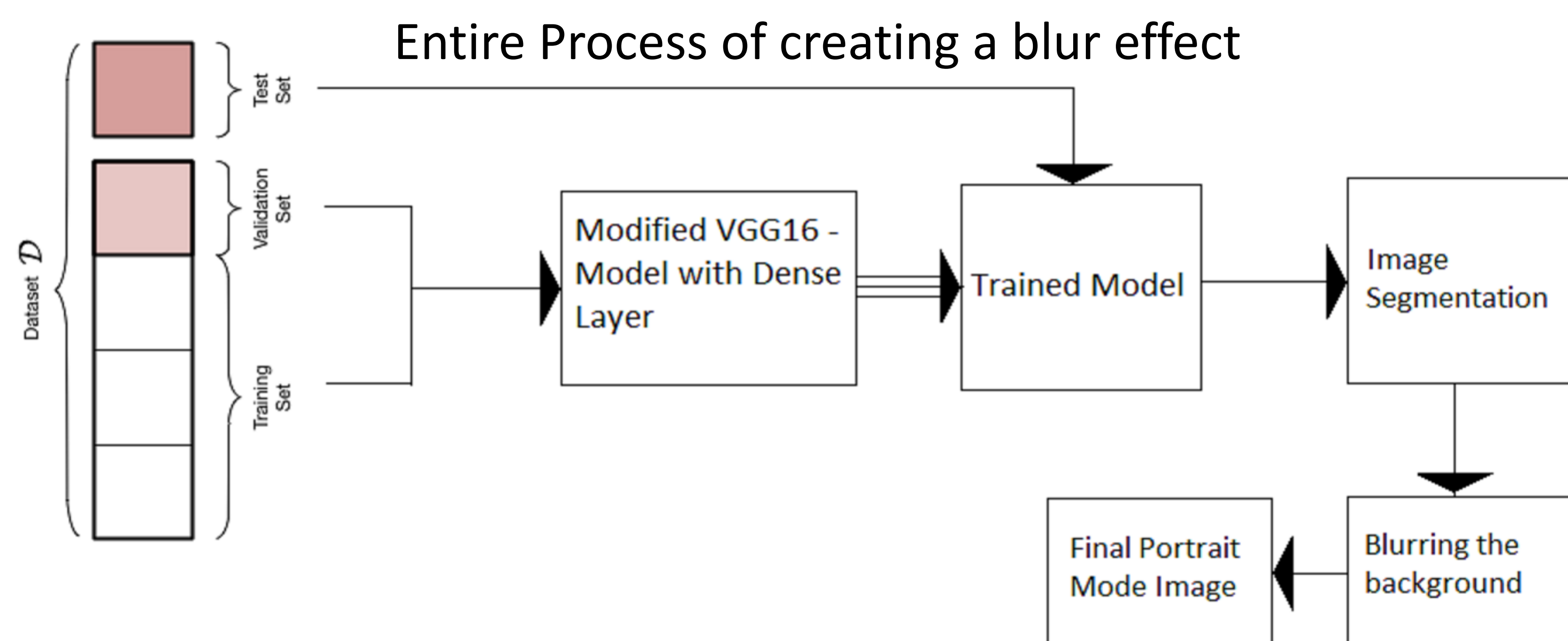
## Layer Architecture used in our model



In the basic VGG-16 model, there is a repeated combination of max-pooling and downsampling performed by convolutional layers. This architecture is good for classification but not segmentation. In order to overcome this problem, we have removed the last few downsampling operations with some upsampling using filters. Upsampling of the model using filters is done by atrous convolution.

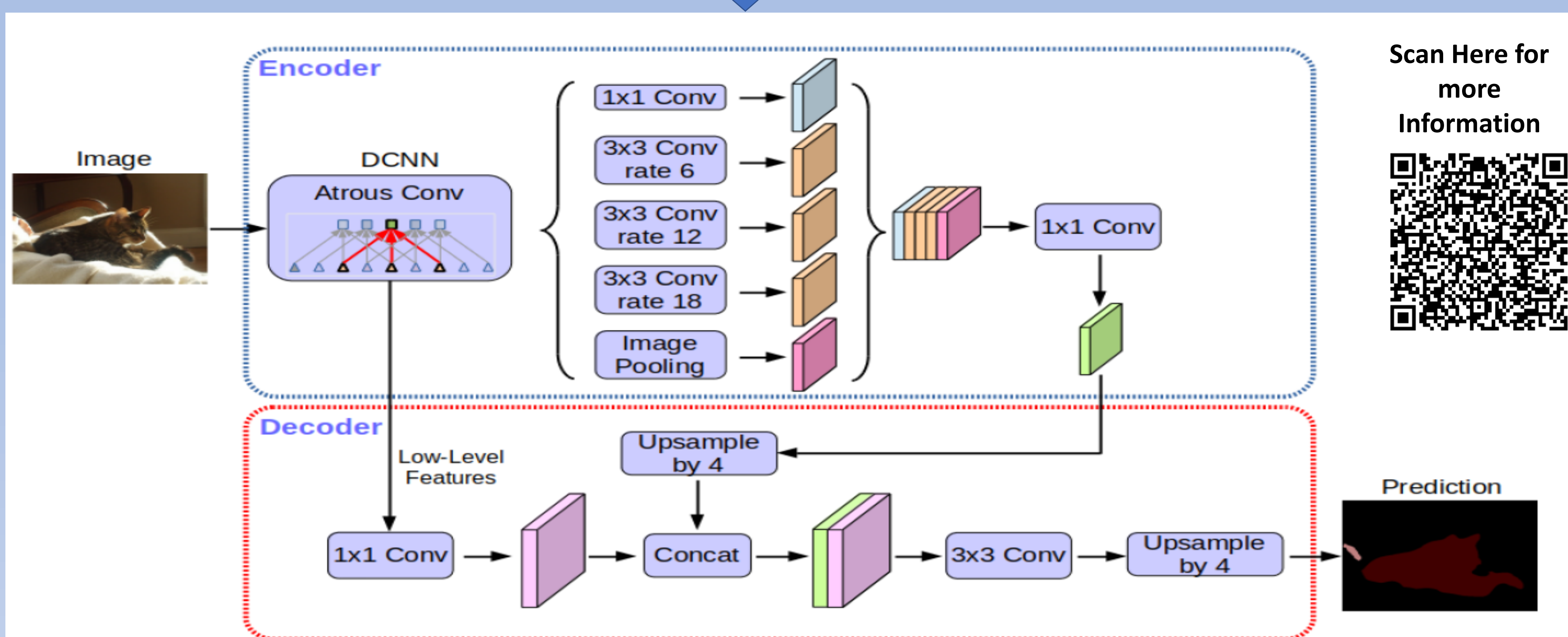


Find Our Code below



Model generated by our architecture is used for foreground detection based on which background is blurred and portrait mode is achieved

Google's DeepLab-V3+ model for identifying foreground and background in images.



Scan Here for more Information



Acknowledgements:  
Dr. Minwoo Jake Lee