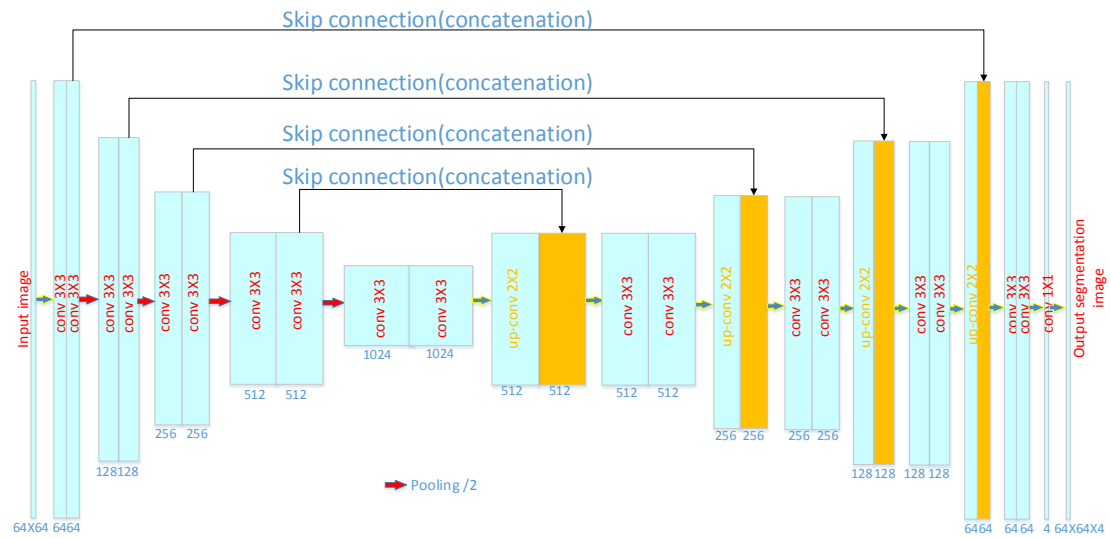


## MR Brain Tissue Segmentation With Modified U-Net

THUnity

We use modified U-Net to segment CSF、GM and WM， the network is below.



The input size to the network is 64× 64 and the output is 64 x 64 x 4, where the four channel corresponds to the background, CSF, GM, and WM.

We use only T1 sequence and segment data size of 256X128X256 taking less than 40 second on single NVIDIA Titan X gpu.