

conv 1
(filter size: 4x16, stride: 1, neurons: 256)

maxpooling 1
(pooling size: 4, stride: 4)

conv 2
(filter size: 1x8, stride: 1, neurons: 128)

maxpooling 2
(pooling size :4, stride: 4)

conv 3
(filter size: 1x16, stride: 1, neurons: 128)

dense
(neurons: 32)

sigmoid output
(neurons: 1)