**Neural network**

<http://www.wildml.com/2015/09/implementing-a-neural-network-from-scratch/>

**Deconvolutional neural network**

<http://blog.csdn.net/langb2014/article/details/50836102>

**RNN**

<http://www.wildml.com/2015/09/recurrent-neural-networks-tutorial-part-1-introduction-to-rnns/>

<http://blog.csdn.net/heyongluoyao8/article/details/48636251/>

<http://blog.csdn.net/prom1201/article/details/52221822>

梯度消失爆炸

<http://blog.csdn.net/apsvvfb/article/details/52848554>

LSTM

<http://colah.github.io/posts/2015-08-Understanding-LSTMs/>

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LSTM的本质思想

<https://www.zhihu.com/question/34878706>