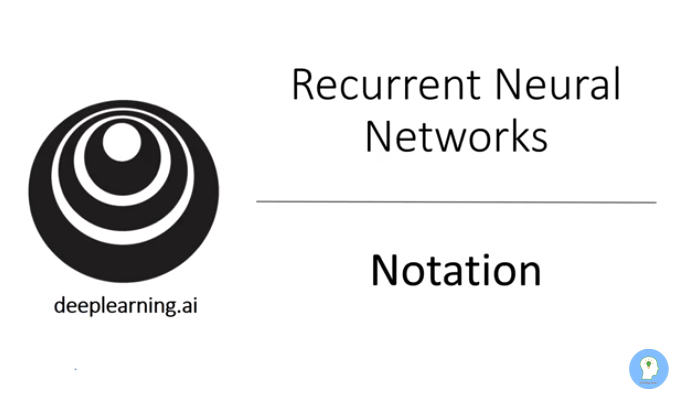
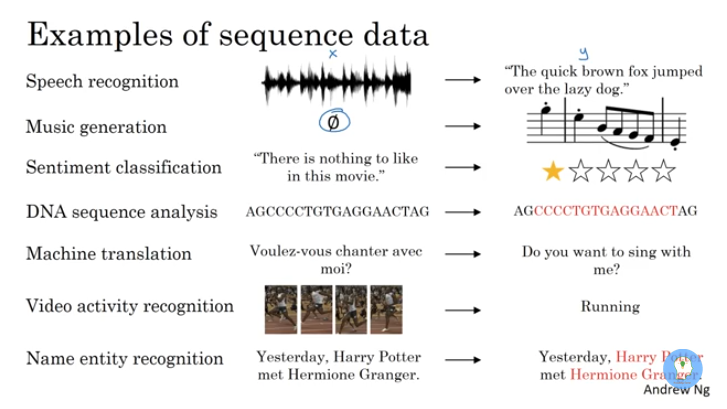
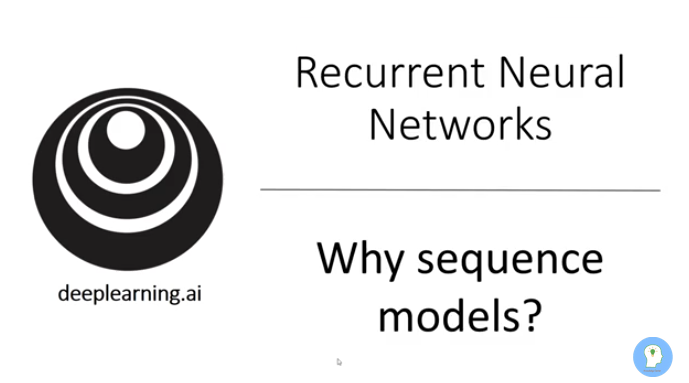
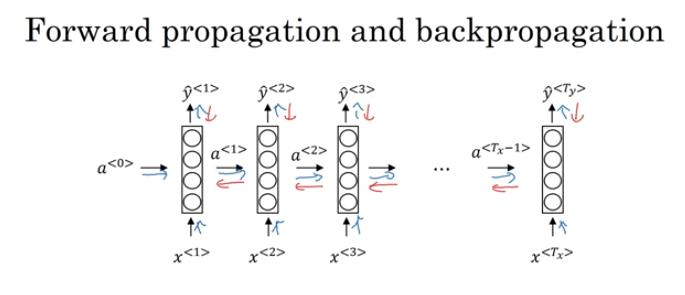
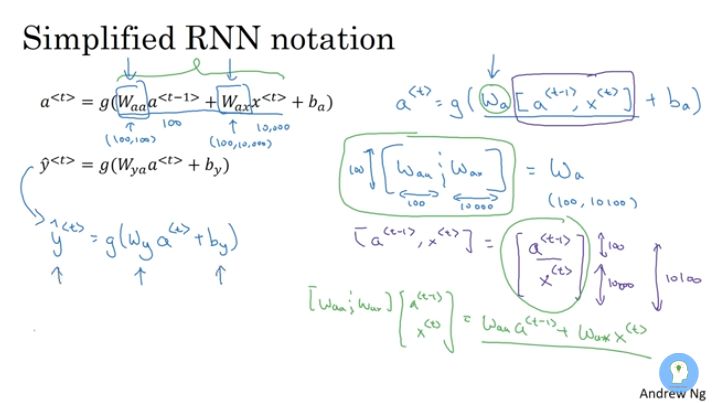
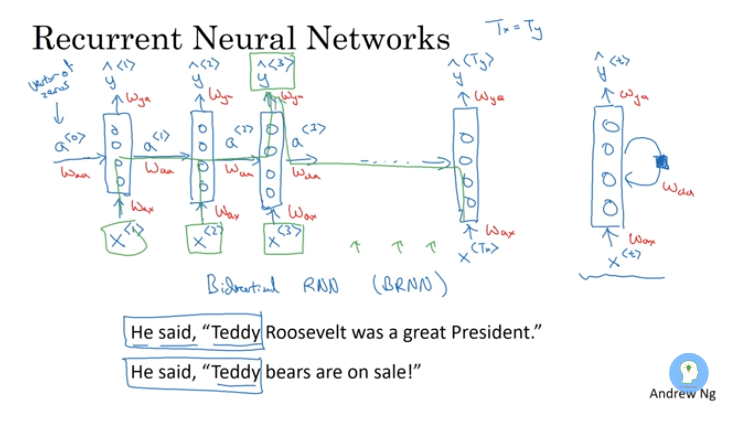
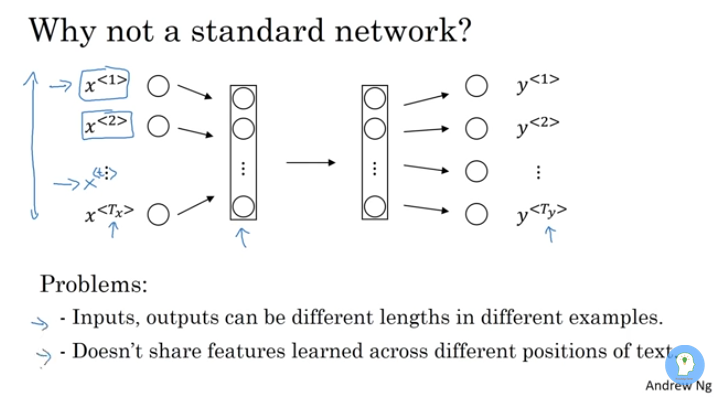
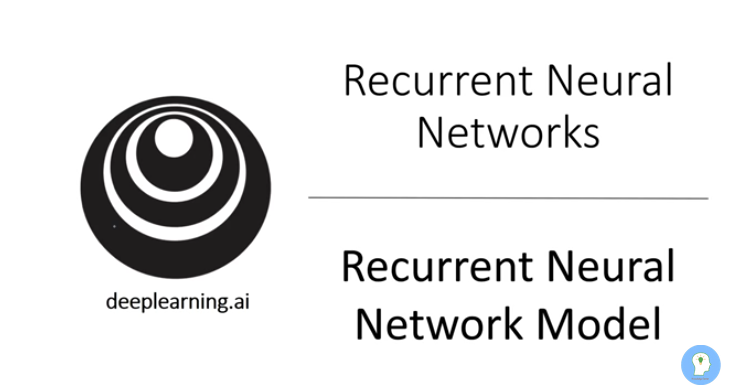
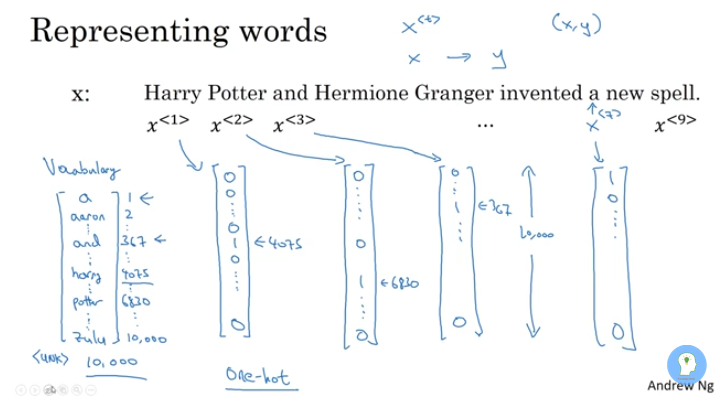
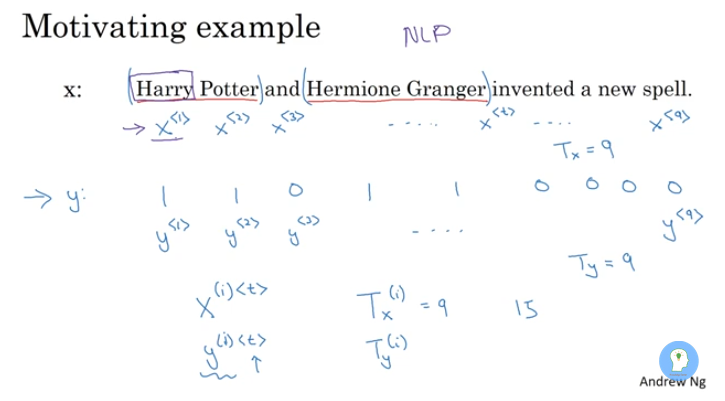
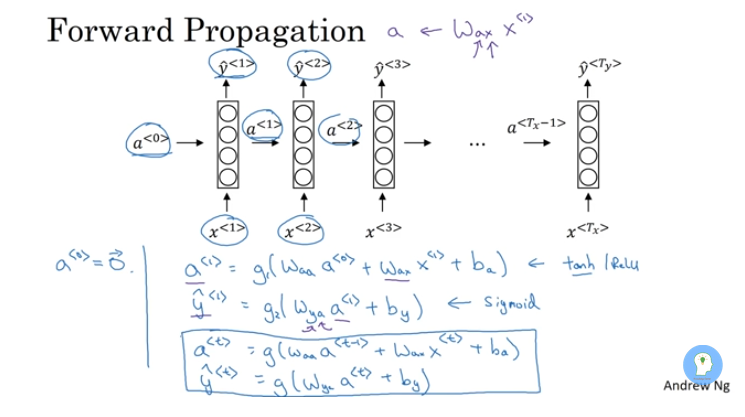
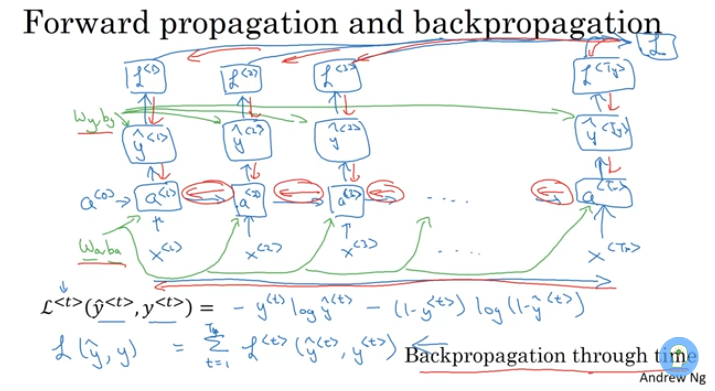
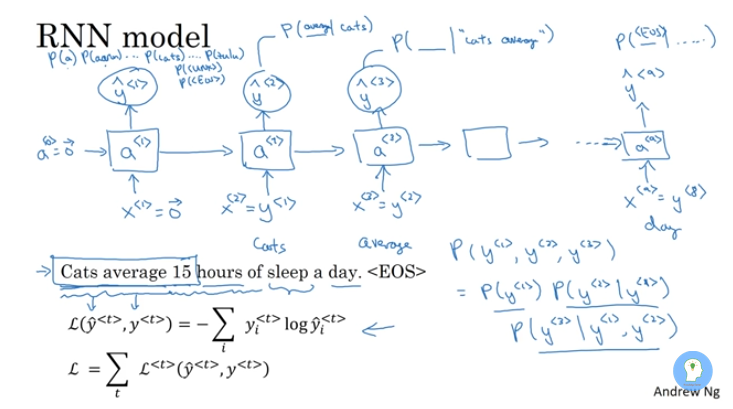
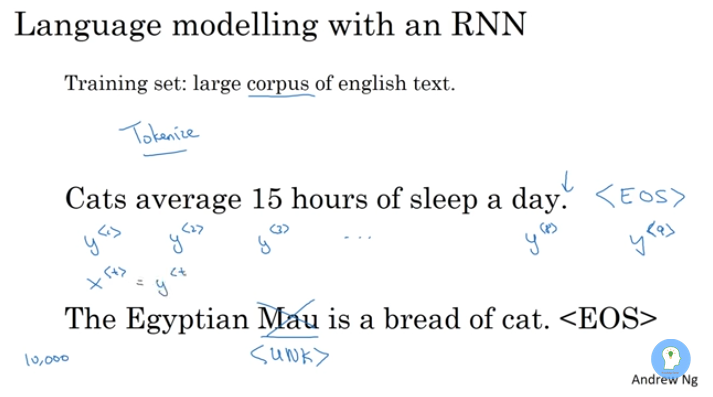
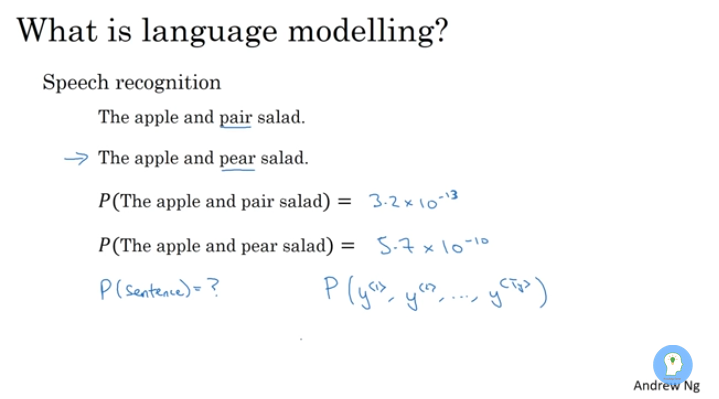
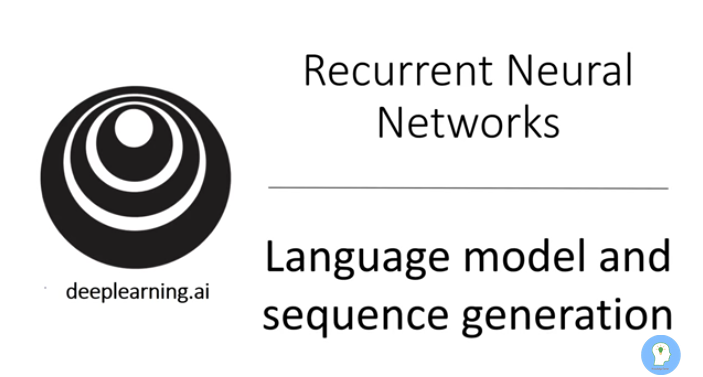
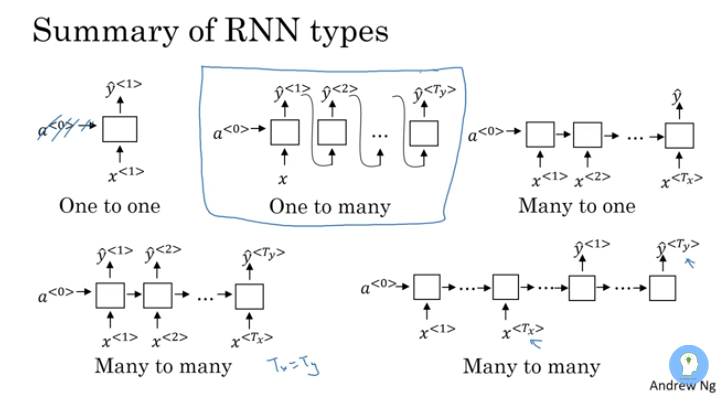
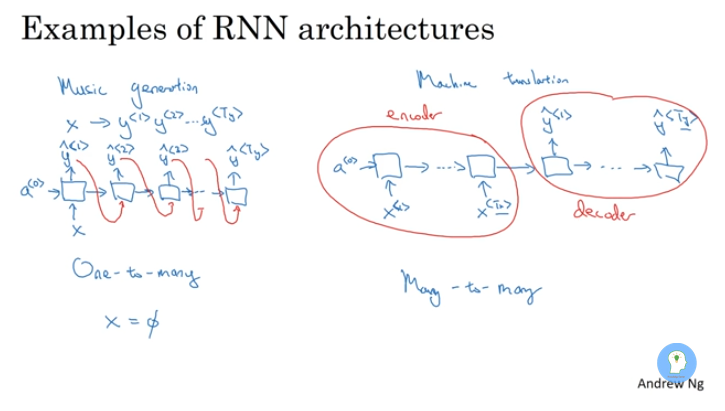
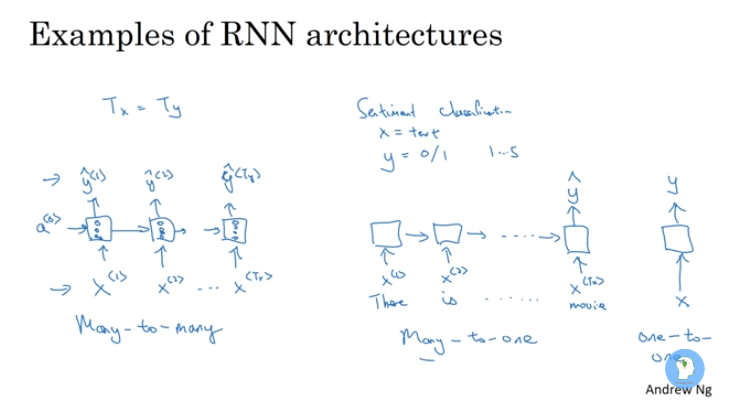
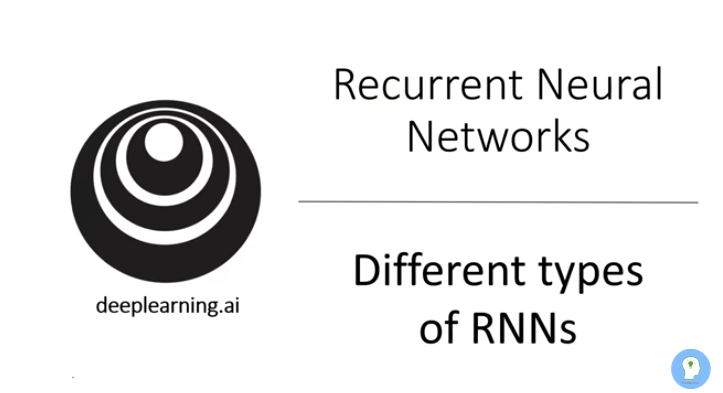
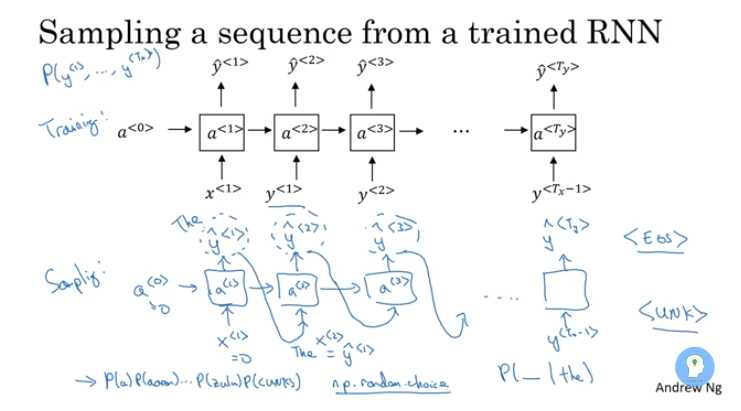
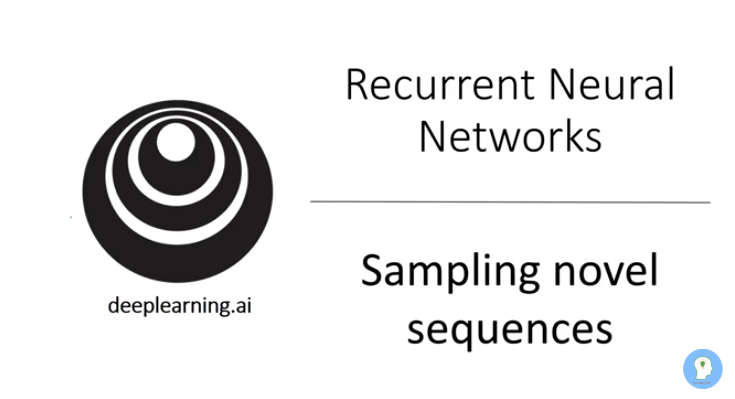
Recurrent NN: Very successful in **Speech Recognition and NLP**

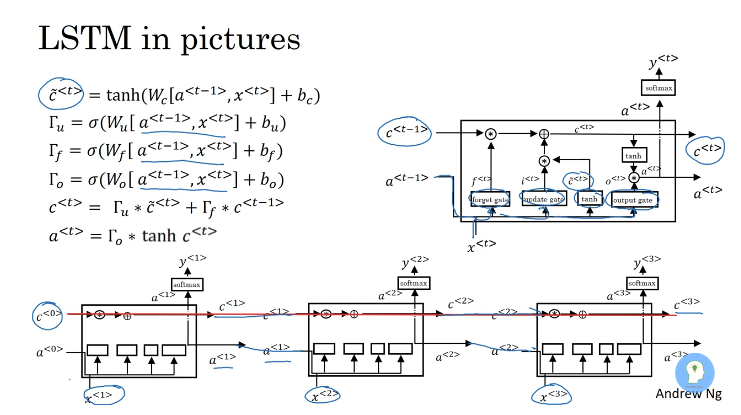
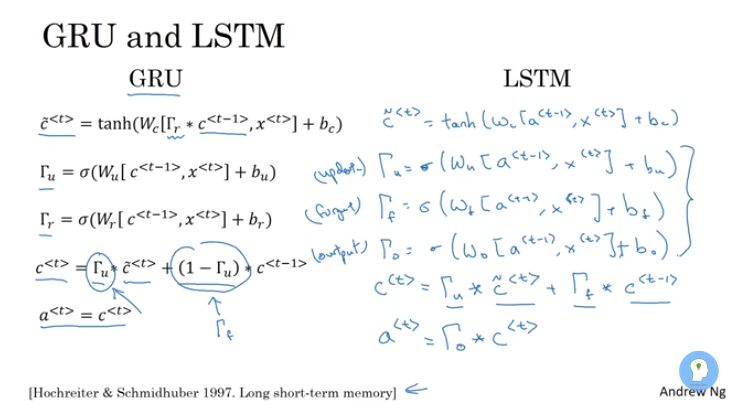
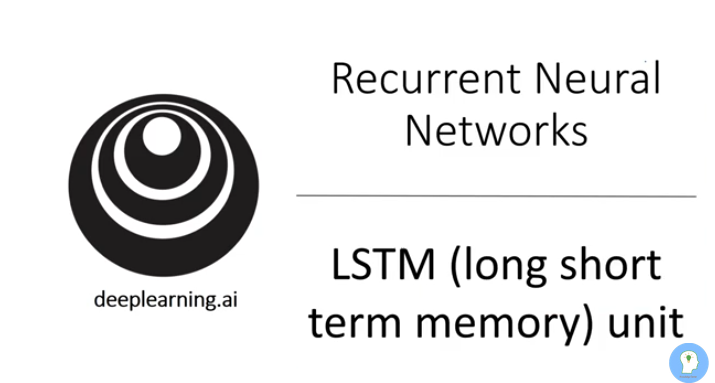
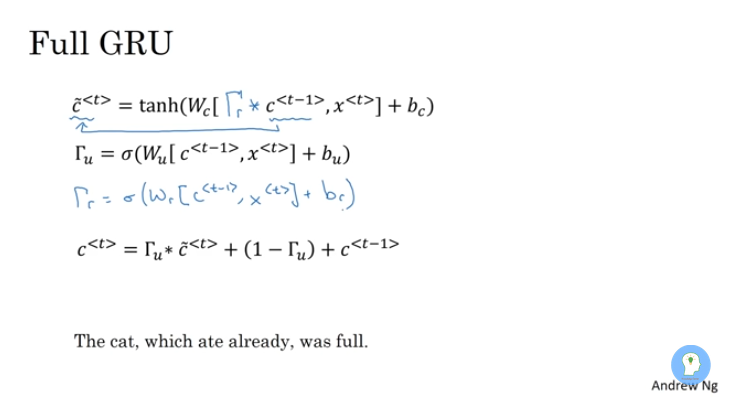
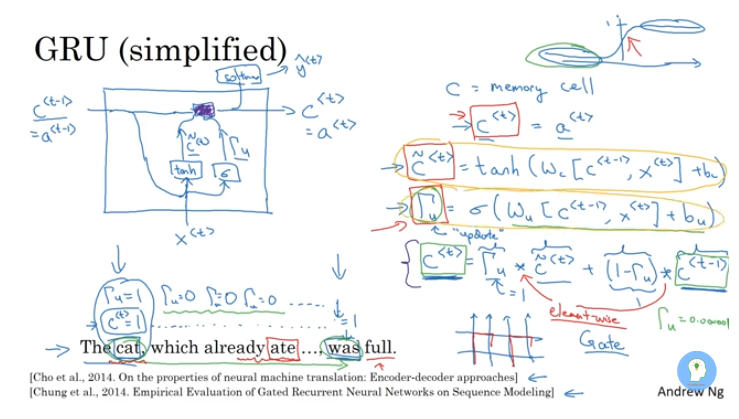
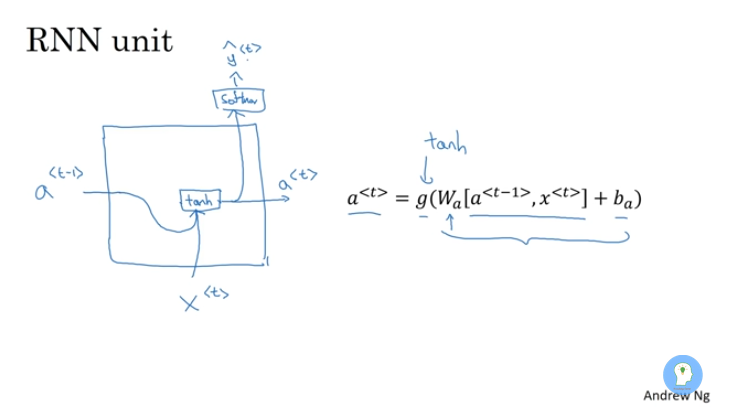
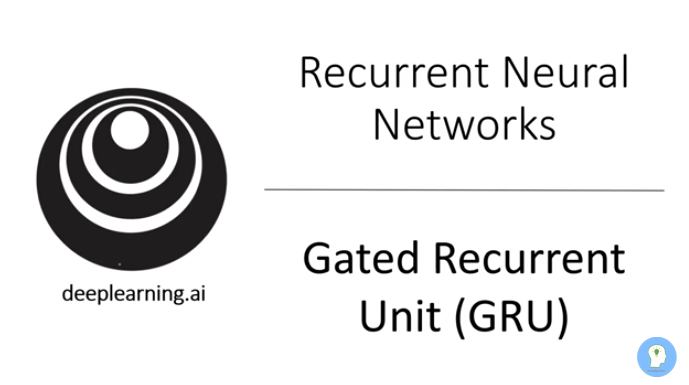
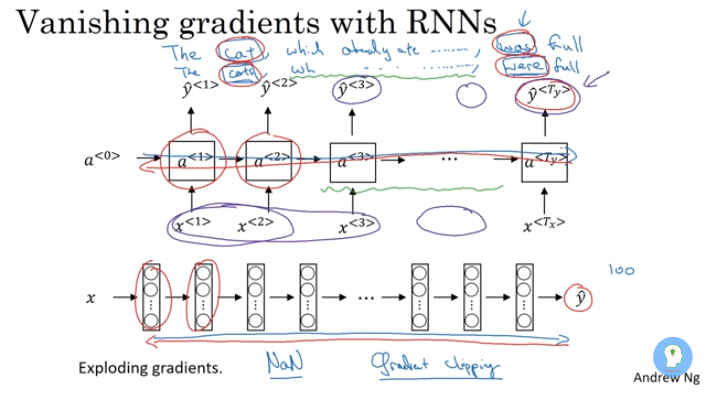
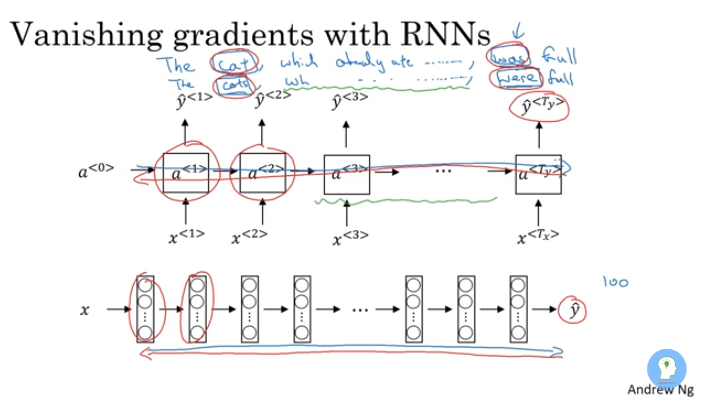
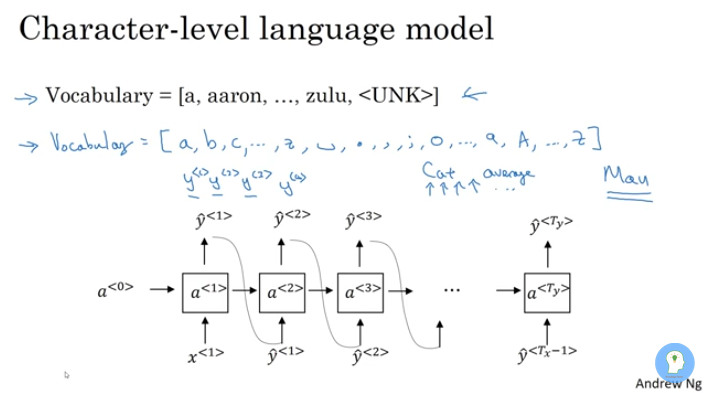
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**Name entity recognition example: Input X has 9 words and output Y has 9 words.**

** **

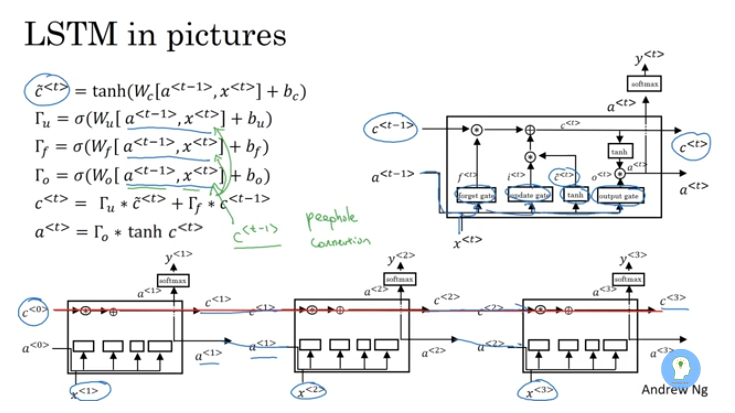
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**Variance: adding C<t-1> in calculations of gate values**

**Called peephole**

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**GRU run much faster due to simplicity and can be scaled up for bigger problem but LSTM is more powerful and flexible and majorly used.**

**LSTM founded earlier than GRU.**