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THE NARRATED TRANSFORMER

The transformer is the tech that underlies a lot of the progress in the last few years of NLP. (paper came out of apogle & U of T in 2017). A transformer is a type of Neural network just as CNN & ENNs are. It's a specific architechture (layout) of the NN.

BERT = its derivatives are popular transformer - based NNs right now.

Transformers are not limited to NLP, but also have applications in computer vision, music generation, ... (Byebye CNN - transformers are gaining recognition!)

ARCHITECHTURE

OVERVIEW

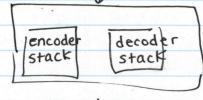
Je suis étudiant

TRANSFORMER

I am a student.

PETAILED

Je suis étudiant



I am a student

	TEAINING
	THE MARRATED TRANSFORMER
9NU 4	get random -> Trained model -> trained model
r came	if the model gets it wrong, we tell it what the answer should have BEEN 2 calculate an error.
	Hs a specific architeculare (layout) of the
	COMPONENTS, Self-attention + tokenization
	(Feed-forward WON-HAPTI ZHU BOZAS.)
	NN) token embeddings
02/2	NN) token embeddings comatrix)
	ectokens) which gives context
970	development of Consporment
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