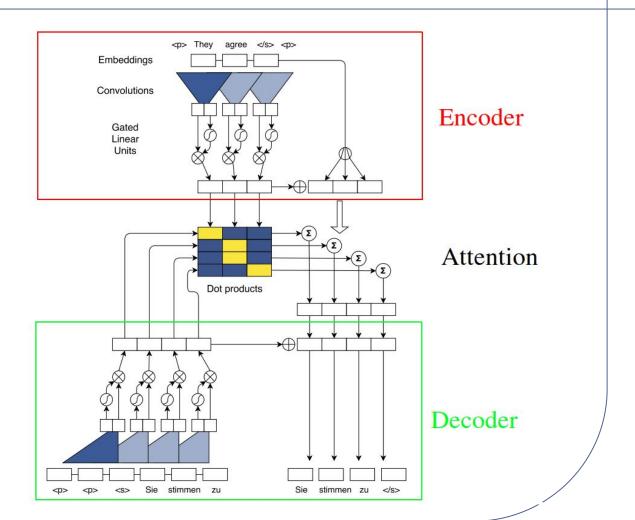
# Convolutional Sequence to Sequence Learning (ConvS2S)

Presented by: Mohamed Anwar

# ConvS2S



# Model Overview



#### Encoder

Simple overview of the encoder.



#### Decoder

Simple overview of the decoder.



#### Attention

Simple overview of the attention mechanism.



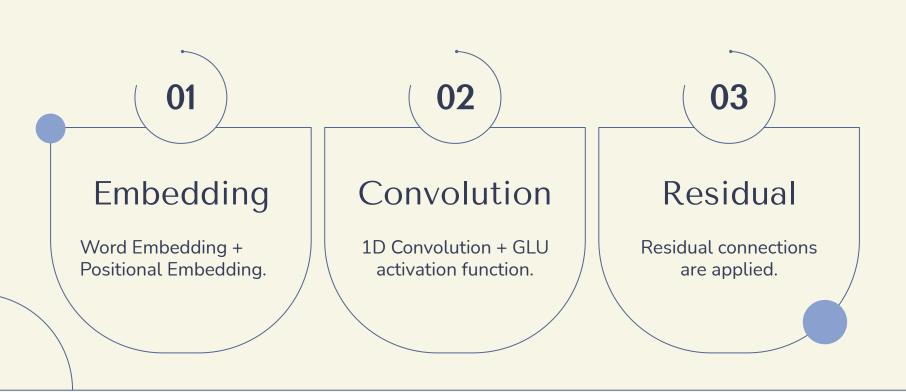
#### Results

Walk through the results.

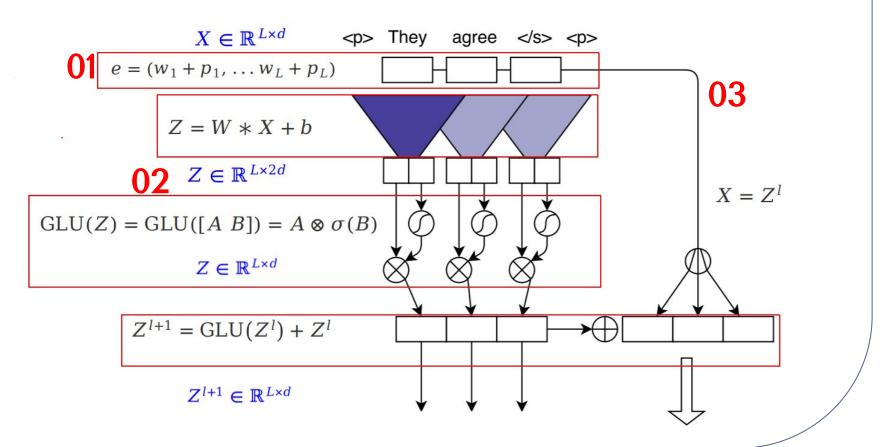


Digests the source sentence for the decoder.

### The Encoder



## Encoder



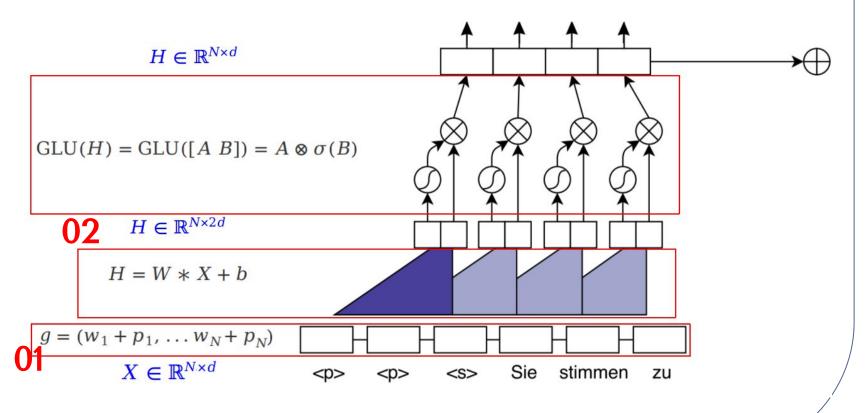


# The Decoder



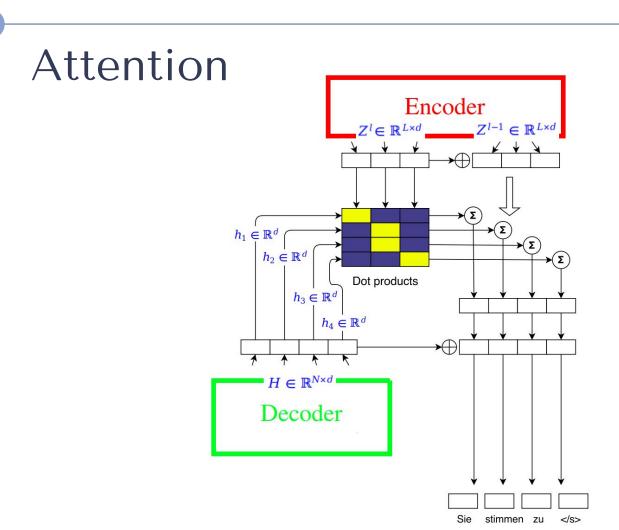


## Decoder





Decides which part of the decoder is related to the encoder by how much.





# Showcasing

```
| 454/454 [02:11<00:00, 3.45it/s]
Training 1: 100%|
                                                                                                            16/16 [00:02<00:00, 6.10it/s]
Evaluating: 100%
Epoch: 01 | Time: 2m 14s
       Train Loss: 5.927 | Train PPL: 375.146
        Val. Loss: 4.931
                           Val. PPL: 138.543
Training 2: 100%|
                                                                                                          454/454 [01:56<00:00, 3.91it/s]
                                                                                                            16/16 [00:01<00:00, 10.59it/s]
Evaluating: 100%
Epoch: 02 | Time: 1m 57s
       Train Loss: 5.050 | Train PPL: 156.044
        Val. Loss: 4.522
                           Val. PPL: 92.043
Training 3: 100%
                                                                                                        454/454 [01:36<00:00, 4.72it/s]
                                                                                                            16/16 [00:01<00:00, 10.29it/s]
Evaluating: 100%
Epoch: 03 | Time: 1m 37s
       Train Loss: 4.758 | Train PPL: 116.551
        Val. Loss: 4.277 | Val. PPL: 72.051
```



Do you have any questions?

Code: <a href="https://github.com/Anwarvic/ConvS2S">https://github.com/Anwarvic/ConvS2S</a>