



## Lou Spironello, congratulations on completing Attention in Transformers: Concepts and Code in PyTorch!

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### Attention in Transformers: Concepts and Code in PyTorch

Understand and implement the attention mechanism, a key element of transformer-based LLMs, using PyTorch.



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Introduction



- ✓ The Main Ideas Behind Transformers and Attention >
- ✓ The Matrix Math for Calculating Self-Attention >
- ✓ Coding Self-Attention in PyTorch >
- ✓ Self-Attention vs Masked Self-Attention >
- ✓ The Matrix Math for Calculating Masked Self-Attention >
- ✓ Coding Masked Self-Attention in PyTorch >
- ✓ Encoder-Decoder Attention >
- ✓ Multi-Head Attention >
- ✓ Coding Encoder-Decoder Attention and Multi-Head Attention in PyTorch >
- ✓ Conclusion >
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