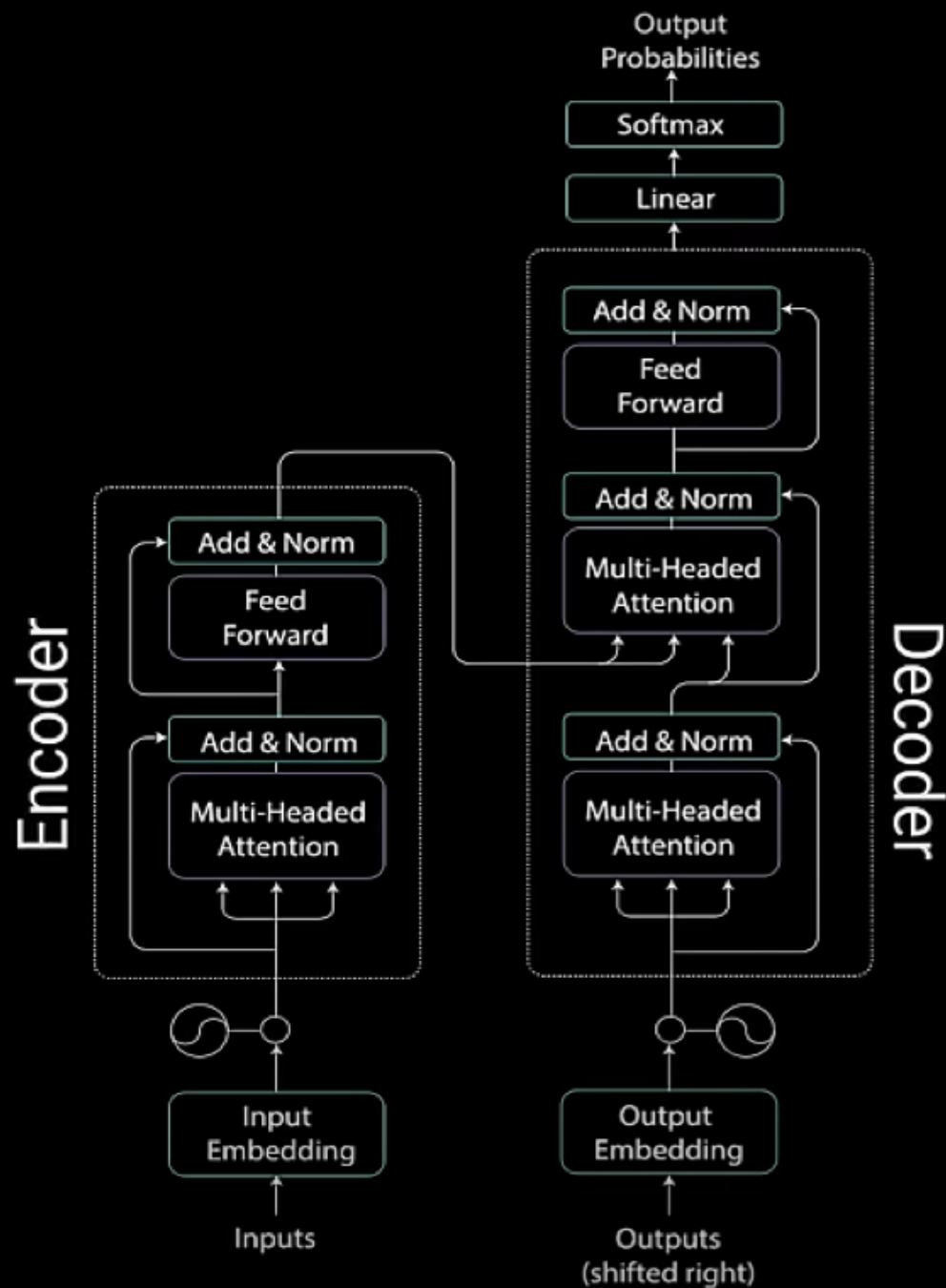


Transformers e LLMs

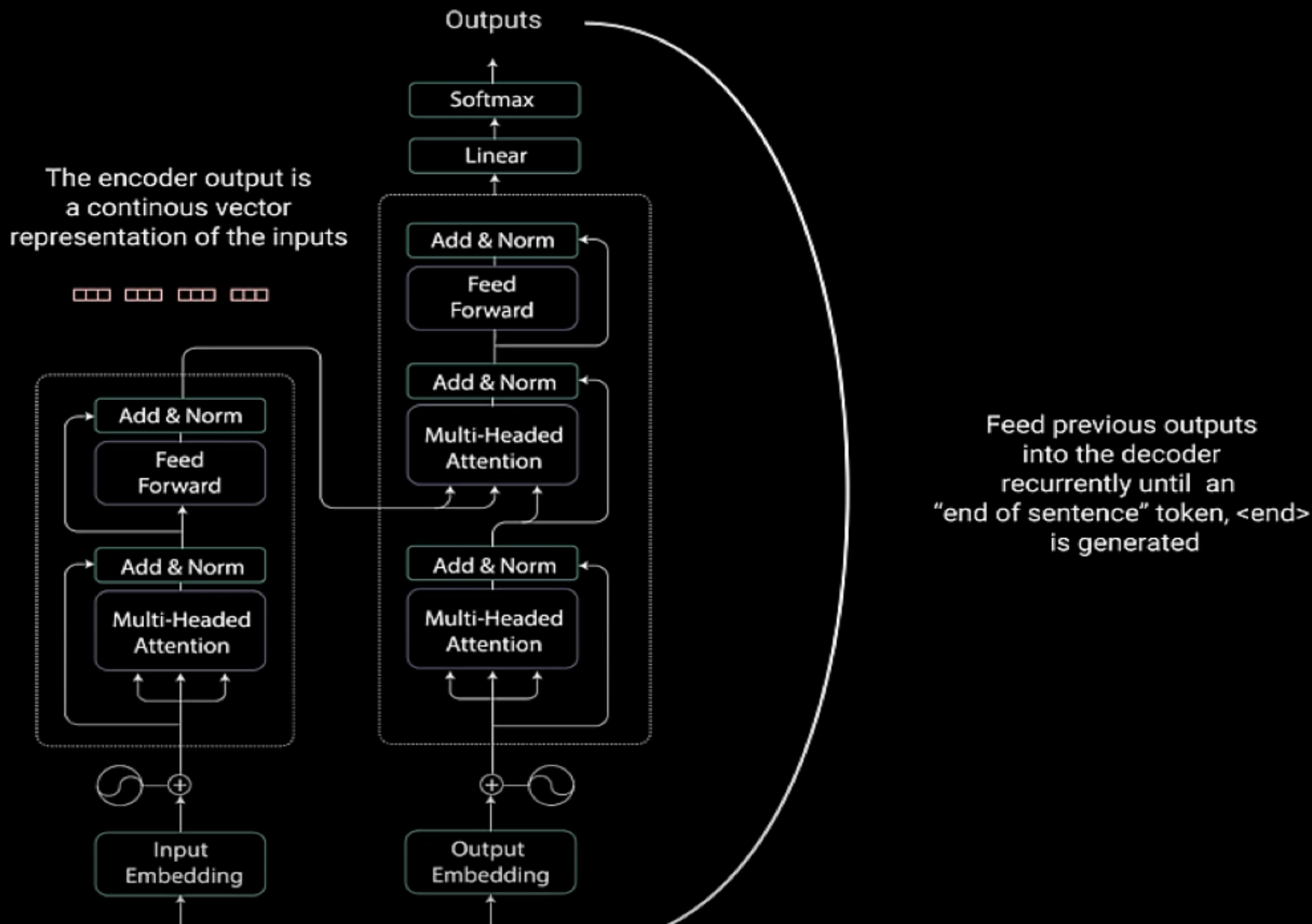
Créditos:

A Illustrated Guide to Transformers Neural
Network: A step by step explanation.
The AI Hacker

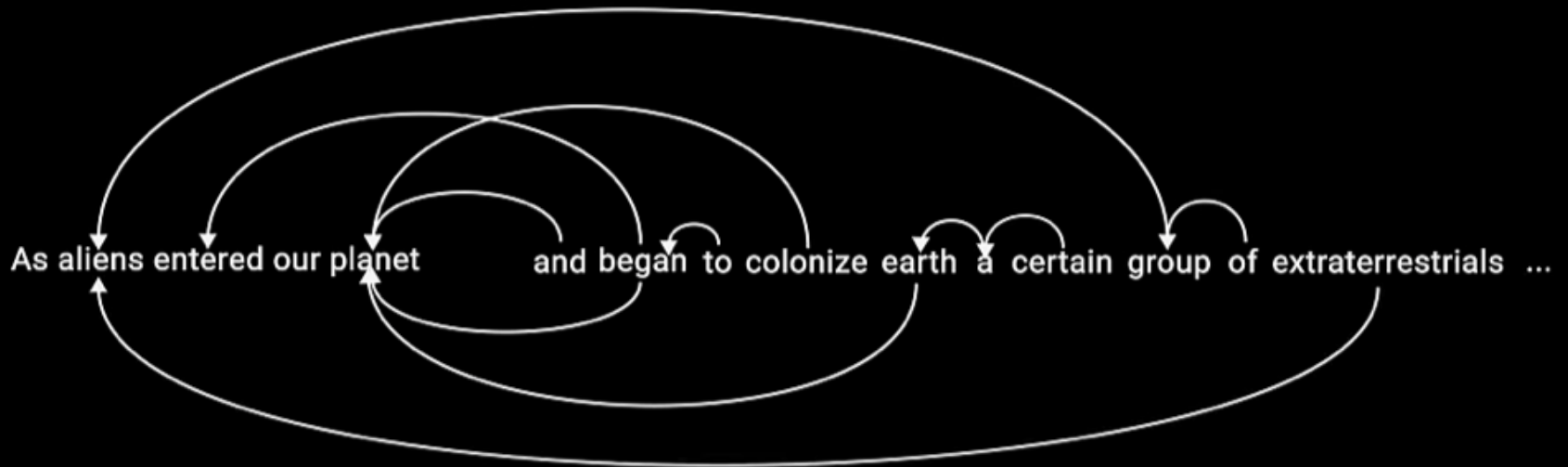
Arquitetura Geral do Transformer



Visão Geral da Operação



Captura da Relação Entre as Palavras



Conteúdos – Passo a Passo



Illustrated Guide to Transformers Neural Network: A step by step explanation. <https://www.youtube.com/watch?v=4Bdc55j80l8&t=469s>

Word Embedding e Word2Vec, claramente explicados!!! (Josh Starmer). <https://www.youtube.com/watch?v=viZrOnJclY0&t=393s>

All The Math You Need For Attention In 15 Minutes. <https://www.youtube.com/watch?v=wU9CZIFkO6U>

Rede neural transformer, a fundação do ChatGPT, explicada! (JoshStarmer). <https://www.youtube.com/watch?v=zxQyTK8quyY&t=1655s>

Deep Dive into LLMs like ChatGPT (Karpathy). <https://www.youtube.com/watch?v=7xTGNNLPyMI&t=20s>



Conteúdos – Adicionais e Complementares



Let's build GPT: from scratch, in code, spelled out.

(Karpathy). <https://www.youtube.com/watch?v=kCc8FmEb1nY&t=64s>

A matemática matricial por trás das redes neurais de transformadores, um passo de cada vez!!! (Josh

Starmer). <https://www.youtube.com/watch?v=KphmOJnLAdI&t=34s>

The Attention Mechanism in Large Language Models (Luis

Serrano). <https://www.youtube.com/watch?v=OxCpWwDCDFQ&t=800s>

The math behind Attention: Keys, Queries, and Values matrices (Luis

Serrano). https://www.youtube.com/watch?v=UPtG_38Oq8o

What are Transformer Models and how do they work? (Luis

Serrano). <https://www.youtube.com/watch?v=qaWMOYf4ri8&t=77s>.

