## Your grade: 100%

Your latest: **100%** • Your highest: **100%** • To pass you need at least 66%. We keep your highest score.

Next item

1. Which of the following tasks is the WaveNet generative AI model specifically designed for? 1 / 1 point

- ○ Creating realistic images from sketches and for deep fake creation
- ◉ Generating natural-sounding speech and for text-to-speech synthesis
- ○ Generating contextually relevant text by understanding the relationship between words and phrases
- ○ Generating images based on text input

**Correct**
WaveNet is specifically designed for generating natural-sounding speech and for text-to-speech synthesis. It excels in creating realistic audio conversations that sound natural.

2. Identify the generative AI model that primarily utilizes the self-attention mechanism as the training approach. 1 / 1 point

- ◉ Transformers
- ○ Variational autoencoders (VAEs)
- ○ Generative adversarial networks (GANs)
- ○ Recurrent neural networks (RNNs)

**Correct**
Transformers utilize self-attention mechanisms for efficient sequence processing.

3. Which of the following large language models (LLMs) uses an encoder-only transformer architecture and is exceptional at understanding the context of a word within a sentence? 1 / 1 point

- ◉ Bidirectional Encoder Representations from Transformers (BERT)
- ○ Generative pre-trained transformer (GPT)
- ○ Text-to-Text Transfer Transformer (T5)
- ○ Bidirectional and Auto-Regressive Transformers (BART)

**Correct**
BERT utilizes an encoder-only transformer architecture. It is exceptional at understanding the context of a word within a sentence, which is crucial for nuanced tasks like sentiment analysis and question-answering.