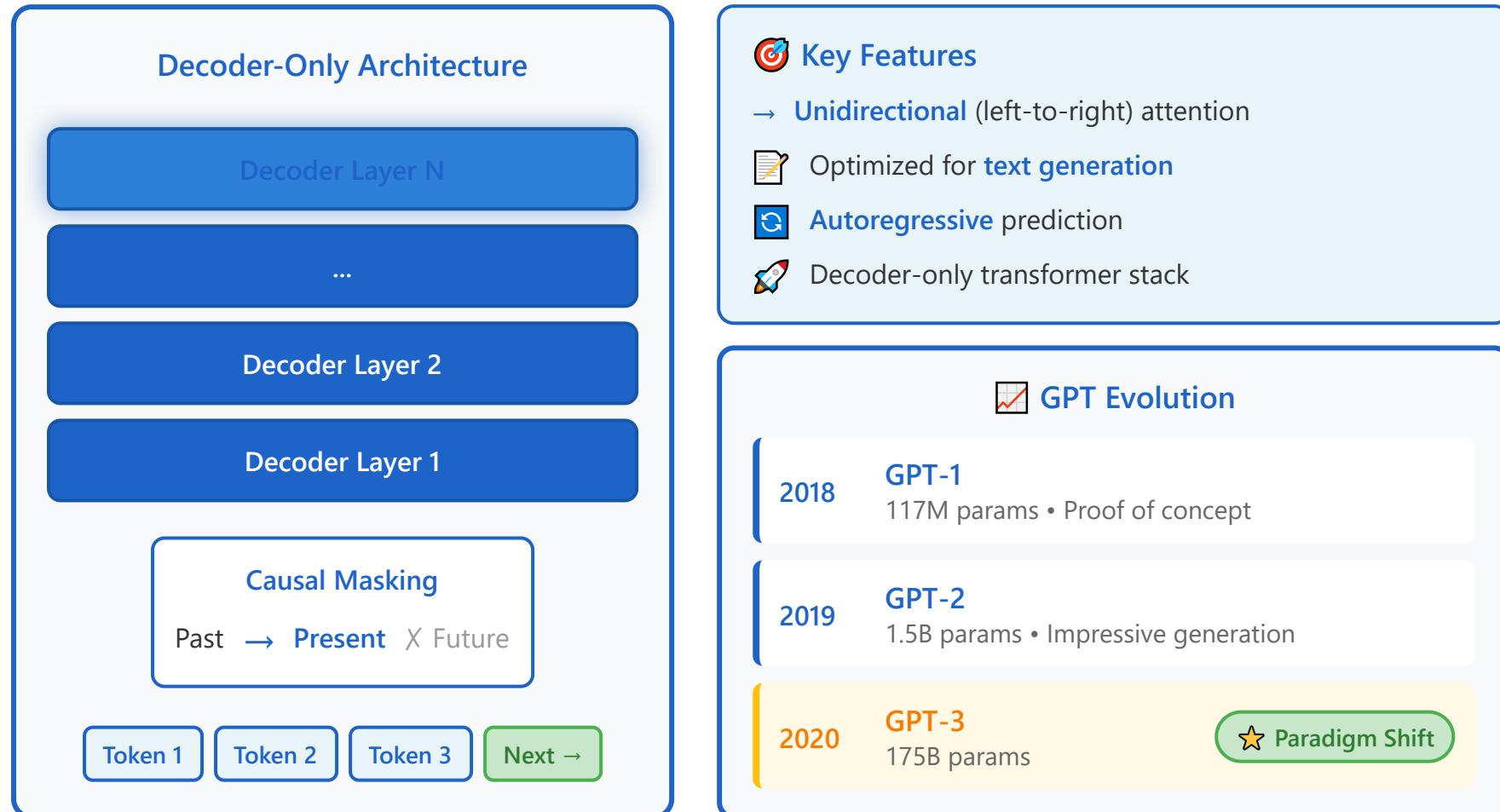
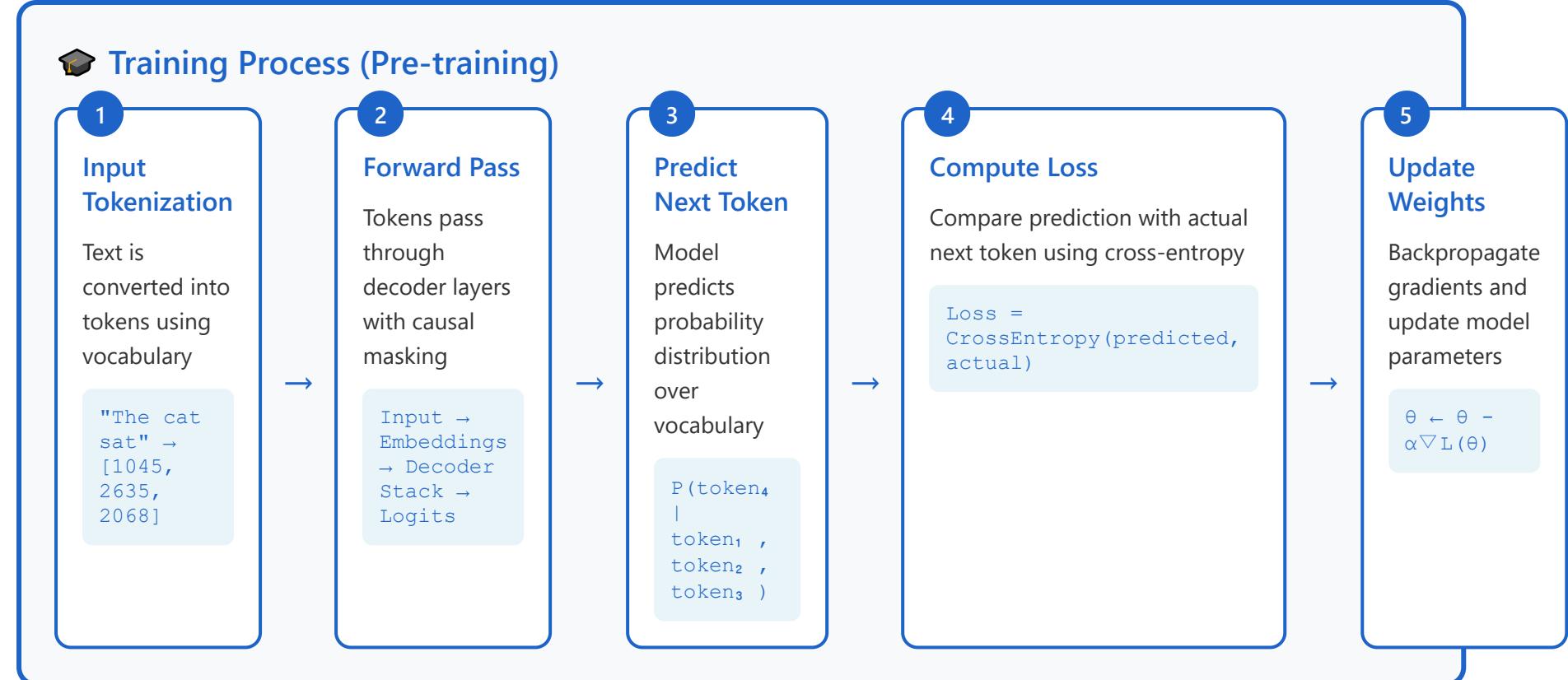


# GPT: Generative Pre-trained Transformer

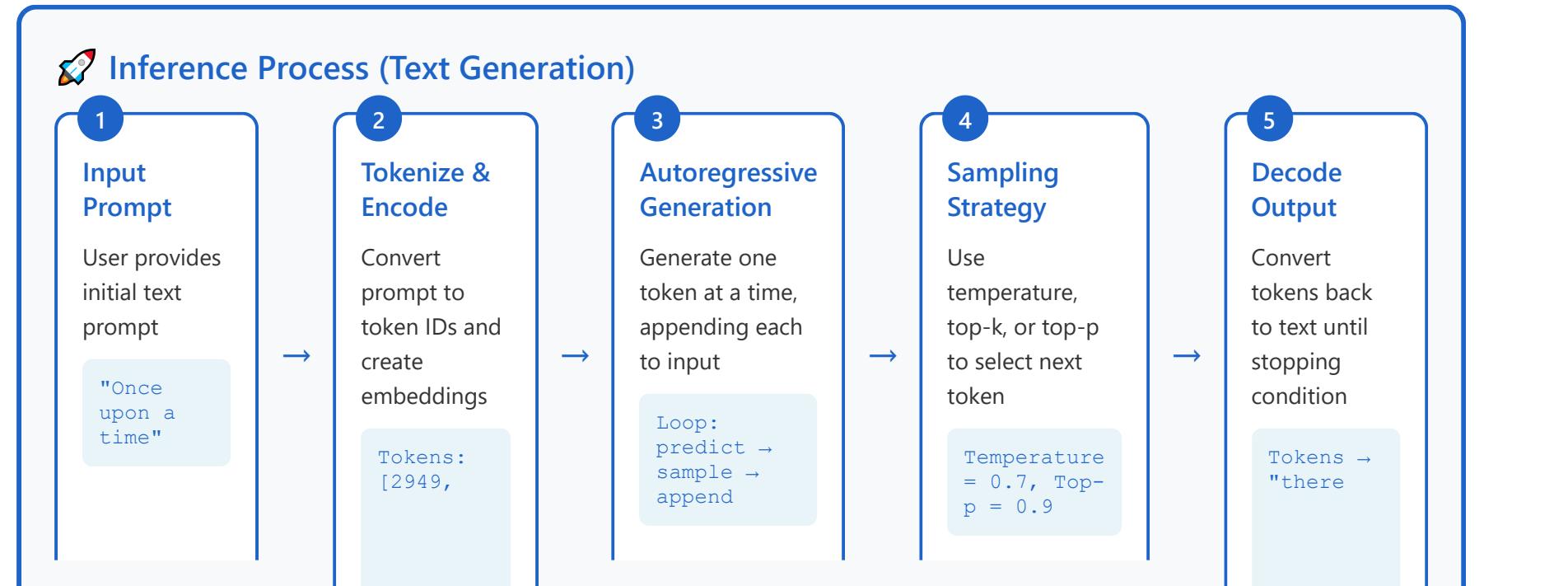
OpenAI - Autoregressive Decoder-only Architecture



## Training Process (Pre-training)



## Inference Process (Text Generation)



2402,  
257, 640]

lived a  
princess"

### 💡 Step-by-Step Example

- ▶ Input: "The weather is"
- ▶ Step 1: predict → "sunny"
- ▶ Step 2: "The weather is sunny" → predict → "today"
- ▶ Step 3: "The weather is sunny today" → predict → ".."
- ▶ Final Output: "The weather is sunny today."