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Learn Prompting



WHAT IS GENERATIVE AI?

- ChatGPT Basics
- Testing Prompts with Interactive Learn Prompting Embeds
- [Introduction to Prompt Engineering](#)
- Basic Prompt Structure and Key Parts
- Technique #1: Instructions in Prompts
- Technique #2: Roles in Prompts
- Technique #3: Examples in Prompts: From Zero-Shot to Few-Shot
- Combining Prompting Techniques
- Tips for Writing Better Prompts
- Prompt Priming: Setting

⇄ English ^



insufficient context in responses.

ion to Prompt Engineering

Prompt Engineering

⌚ Reading Time: 8 minutes

👤 Valeria Kuka

the concept of **prompt engineering** and explain why Generative AI models like ChatGPT and DALL-E.

, check our list of the **14 best prompt engineering**

Engineering?

of crafting and refining prompts to improve the els. It involves providing specific inputs to tools like uiding the AI to deliver more accurate and

the desired response, prompt engineering allows us optimize the output. This method is particularly f generative models, such as logical errors or

Why Prompt Engineering is Important?



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Combining Prompting Techniques

Tips for Writing Better Prompts

Prompt Priming: Setting

on the input (or "prompt") provided by users. A well-crafted prompt leverages the model's capabilities and ensures it provides accurate, relevant, and useful results.

Because prompts are the instructions given to an AI model to generate a response, they can be simple (one or two sentences) or complex (detailed instructions with context, examples, and constraints). The quality of the AI's response depends significantly on how well-structured the prompt is.

When writing prompts, consider the following:

- Clarity:** Make sure your prompt is clear and unambiguous. Avoid ambiguous language like "I'm 5."
- Context:** Provide enough context so the AI can understand the situation and generate appropriate responses.
- Instructions:** Clearly define what you want the AI to do. Use specific, detailed instructions if needed.
- Role:** If applicable, specify the role or persona you want the AI to adopt. This can help guide the AI's responses.
- Examples:** Use examples to demonstrate what you want the AI to produce. This is particularly useful for few-shot learning.
- Formatting:** Use appropriate punctuation, capitalization, and structure to make your prompt easy to read and process.

For example, if you want the AI to tell a funny story about a cat, you might need to say, "Tell me a funny story about a cat," instead of just "Tell me a story."

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about asking the right questions or giving the the robot gives you the best answers!

How to Improve the Prompt

Text, can sometimes produce incorrect or misleading a prompt is too vague, lacks necessary details, or

encourage step-by-step reasoning to improve

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of 0s for each term.

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break it down into smaller steps:

first of 0s for each term: $923 * 99 = 923 * 990$

by 9: $923 * 9 = 8307$

by 90 (adding one 0): $923 * 90 = 83070$

step 2 and step 3: $8307 + 83070 = 91377$

is equal to 91,377.

Instructions, ChatGPT provides the correct answer

the prompt is what we call **prompt engineering**.

Adding specificity and guidance to the prompt improves the output and guides the model apply logical reasoning more effectively.



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Prompt Work?

o predict text based on patterns instead of deep prompting the model to explicitly think through its logic, we reduce the chance of mistakes and make the process more efficient.

Prompt Engineering in Action (Text, Image, and Video)

and can be applied to many use cases across text, image, and video.

to its range:

like ChatGPT. Suppose you need help writing a new AI tool that helps companies automate tasks.

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new AI tool that helps companies automate tasks.

o you refine it:

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try for an AI tool called TaskBot, which automates processes in industries like retail and healthcare.

vings.

and results in a more targeted response.

Image Generation



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-E, prompts are crafted to generate specific

the model to generate an image that aligns with your

sitting on a wooden chair in a cozy, sunlit room, ing.

mize code:

ply two numbers.

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tiplies two integers and returns the result. where inputs are not integers.

eal-world-ready code.

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Prompt Engineering for Creative Tasks: Writing Tweets



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tAI.

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archaeologistAI!

revolutionizing the field of archaeology, helping
piece together our past like never before.
measures and insights it unveils!

Instruction in the Prompt

ArchaeologistAI doesn't discover new things—it only
replies, as it wasn't given enough context.

g more specific details:

Copy

tAI.

out famous archaeologists.

Copy

s of legendary archaeologists with

#ArchaeologistAI!

From Indiana Jones to Mary Leakey, this AI-powered storyteller brings their
adventures to life, shedding light on their groundbreaking discoveries and



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explorers.

more accurate output because we added key details

Output with the Prompt

Ask ChatGPT to write the tweet in the style of Indiana

Copy

TAI, in the style of Indiana Jones.

out famous archaeologists.

Copy

! 🎩🔥

personal Sallah by your side, sharing captivating

s who've braved ancient tombs and unearthed hidden

adventure through history!

nds

We need to target archaeology fans! This version message, making it more engaging. By iterating and to achieve the desired result.

process. The perfect prompt rarely happens on the e refining your inputs to get the best possible output

from generative AI models. As we've seen, adding specificity, providing context, and guiding the model with detailed instructions can significantly improve its responses.



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Engineering help with?



Technique #2: Roles in
Prompts

Engineer?



Technique #3: Examples in
Prompts: From Zero-Shot to
Few-Shot

Active in the math example?



Combining Prompting
Techniques



Tips for Writing Better
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Prompt Priming: Setting

Up to date with prompt engineering?



Valeria Kuka



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at Learn Prompting, is passionate about making previously grew a 60K+ follower AI-focused reposts from Stanford NLP, Amazon Research, ers. She has also worked with AI/ML newsletters 0K+ members and authored clear and concise s.

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[Prompt Structure and Key Parts](#) →

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Introduction to Prompt Engineering

Fundamentals of prompt engineering, the art of crafting effective instructions for AI models like GPT-4o, Claude, and Perplexity. You'll learn how to write better prompts, understand how AI models (LLMs) interpret inputs, and

Enroll Now



Advanced Prompt Engineering

Explore advanced techniques in prompt engineering to enhance the accuracy, reliability, and safety of AI-generated responses. Learn how to create complex prompts for AI models like GPT-4o, Claude, and Gemini.

Advanced



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AI Safety

Introduction to Generative AI in Marketing

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