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## Learn Prompting



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Combining Prompting Techniques

Tips for Writing Better Prompts

**Prompt Priming: Setting Context for AI**

Differences Between Chatbots and LLMs

LLM Limitations: When Models and Chatbots Make Mistakes

What Can Generative AI Create Beyond Text?

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are incredibly versatile, but without proper guidance, their responses can sometimes be too generic or miss the nuances of your request. Priming ensures that the chatbot responds with more precision, personalization, and relevance, improving the overall quality of the interaction.

riming: Setting Context for AI

# g: Setting Context for

Reading Time: 11 minutes

Valeriia Kuka

**Prompt priming** or **inception prompts**<sup>1</sup>) is a powerful technique that allows users to guide an AI's behavior in a desired direction. By framing or providing specific context, you can influence how the AI interprets user input and generates responses.

By using prompt priming, you can effectively prime chatbots to achieve more personalized outputs.

## What is Prompt Priming?

Prompt priming is a technique that sets the tone, style, or structure for an AI's responses. This technique allows users to adjust the AI's tone, guide its responses, or introduce role-play to provide context. It's a powerful way to ensure that the AI generates outputs that align closely with your goals.

## Is Prompt Priming Useful?

While AI models are incredibly versatile, they can also be too generic or miss the nuances of your request.

Prompt priming ensures that the chatbot responds with more precision, personalization, and relevance, improving the overall quality of the interaction.



## Learn Prompting

### Technique #2: Roles in Prompts

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

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w could result in a generic fantasy story.

Detailed prompt allows you to set up a specific context and more focused direction.

h shimmering scales who breathes ice instead of  
shed in twilight

## Priming Chatbots?

enarios, allowing you to control the AI's tone,

for priming chatbots:

st the chatbot's tone to fit the interaction style,  
in a specific character (e.g., PirateGPT or a

Define the format in which the chatbot should  
r educational tools, writing assistants, or structured

boundaries for how the chatbot should handle  
ng inappropriate requests or guiding users without

# 1. Styling the Conversation

You can prime chatbots to match a particular conversation style or role.



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Ie

nversation is getting the AI to speak like a pirate. iming prompt. Try typing these prompts into

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lk like a pirate. Start off by introducing

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' AI that sails the digital seas.

and the art of speakin' like a true buccaneer, I re with ye.

ey? Ask away, and I'll share me knowledge in the

to see if it still responds like a pirate.

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at be simple as a starboard breeze.

Two plus two be makin' four, no doubt 'bout it!

Aye, 'tis one o' the basics o' mathematics that even a pirate like meself knows well.

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d two together, ye get four, just like how the sea rizon.

e AI should talk like a pirate. While it might not be like a pirate, this example shows that priming can be s output style.

an AI to speak as a professional consultant in to use a formal tone, focus on specific industry usage.

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ert in digital marketing with 20+ years of us on providing data-driven insights, industry ce.

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ing space, one crucial trend is the rise of trategies. With tools such as AI-driven or content to individual customer preferences at 0% increase in conversion rates for businesses

rs data-rich, expert-level insights based on the specific professional audience. This is useful for or technology where professionalism and accuracy

## 1.3 Prompt Template for Styling



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f an expert in [field] with 20+ years of

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own advice in your answer.

and minimize tangents and humor.

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## versation

on, the next step is to define how the AI structures its useful in scenarios where consistent feedback or task education, business reports, or even writing

s, you ensure that the chatbot provides useful -to-follow manner.

prompt:

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t. Every time I give you text to review, respond

ool, college)

hat)

on the writing

".

AI Output

Copy



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took place from the 18th to 19th centuries, was a y agrarian, rural societies in Europe and America s era marked a major turning point in human daily life was influenced in some way.

, work was often done in small-scale, home-based , however, new manufacturing technologies brought rk began to be performed on a much larger scale. everywhere, and cities began to swell in size.

ll written: Yes

ntroduction to the topic of the Industrial and concise overview of the main points. However, ore specific examples or statistics to support the onsider adding a thesis statement towards the end he main argument or purpose of the essay. This erstanding of what to expect in the subsequent start, and you can build on it to make it even

:the AI's responses, users can receive feedback in a This approach is particularly useful in applications structured feedback can guide improvements, and n be used to track tasks, provide updates, and

## Actions

Special case **instructions** allow chatbots to handle specific scenarios or behaviors that require different responses. These scenarios might include identifying toxic



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AI Output

attempts, or guiding users through problem-solving steps.

prime the chatbot to maintain control over the interaction appropriately based on the use case.

## Users in Educational Tools

Instructions is in educational chatbots where the AI answers to problems rather than learning the material. It can be primed to guide the student through the process without giving away the final answer, encouraging learning by doing.

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As a math tutor. When I give you a problem, give me a try.

Answer: "Sorry, I can't give you an answer".

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As your math tutor, providing guidance and advice on math problems. If you ask for the answer, I'll politely ask you to solve the problem yourself, and I'll do my best to help you understand the solution.

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Equation:  $x^2 + 2x + 4$ .  
What is the discriminant?

Copy



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Example Input

er directly. However, I can guide you on how to dratic equation  $x^2 + 2x + 4$ .

ed to set the equation equal to zero and solve for

$x^2 + 2x + 4 = 0$  Try to factor the quadratic uation cannot be easily factored, so we need to uadratic formula is:  $x = (-b \pm \sqrt{b^2 - 4ac}) / 2a$  rrespond to the coefficients of the quadratic the equation  $x^2 + 2x + 4$ ,  $a = 1$ ,  $b = 2$ , and  $c =$  adratic formula and calculate the two possible Remember that if the value under the square root real roots.

f you need further assistance with any specific

## Conclusion and Prevention

service environments, it's essential to monitor for y priming the chatbot with special case instructions, e from derailing conversations, while still maintaining

Copy

ive language.

d, respond with: "This language is not allowed."

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r for inappropriate language and respond

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 AI Output  Copy



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Please verify your identity by providing your

transfer it!

s transaction without verification. Your request erator for review.

ase instructions can enhance security and maintain tive areas like financial transactions.

reak" AI models by tricking them into providing certain limitations. Special case instructions can attempts and prevent unintended behavior.

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hibited content (like unethical hacking , I cannot assist with that request."

ed content and respond accordingly if such a request is made.



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request.

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Gains within ethical guidelines and prevents misuse, organization.

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hnic for shaping conversations to align with your control the tone, structure, or behavior of the more accurate and consistent responses. This tries, from education to customer service and

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er that chatbots may eventually "forget" priming so regular re-priming may be necessary for ongoing we will explore how chatbots process and retain

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ues for chatbots?

+

What are some examples of priming?

+



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during a conversation? +

ions in one prompt? +

ts more effective? +

s in priming? +

ani, H., Khizbulin, D., & Ghanem, B. (2023). CAMEL: "End" Exploration of Large Scale Language Model

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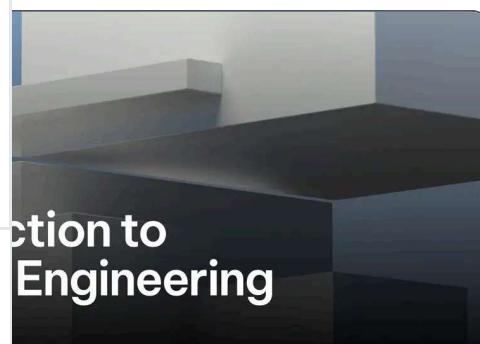
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Fundamentals of prompt engineering, the art of crafting effective instructions for AI like GPT, Claude, and Perplexity. You'll learn how to write better prompts, understand how large language models (LLMs) interpret inputs, and

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