

# DAY 6: PROMPT ENGINEERING WITH CHATGPT

## Introduction

As we work with ChatGPT it is important to remember that the way we ask for information **matters**. An effective prompt will give you an effective response.

The tips discussed in this lesson include:

- Use **clear** language
  - Define the **purpose** of the prompt
  - Include important **context**
  - Provide **examples**
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## Use Clear Language

Clarity is key when communicating with ChatGPT. This will make it easier for the AI to understand your request and provide you with relevant, high-quality output. Aim for a **specific** and **simple** prompt that is **free from spelling and grammatical errors**. Get rid of unnecessary information, jargon, confusing phrases.

For example, instead of:

"My team is interested in X, tell me about that"

Consider:

"Provide a summary of X, including its history, features, and configuration."

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## Every Prompt has a Purpose

It's hard for the AI to give you what you want if it doesn't know what you're asking for. Especially if you don't understand the question you're asking it.

An effective prompt for ChatGPT is to define its purpose. Think about factors like:

- **Tone:** How do you want the output to sound? Funny? Professional?
- **Format:** How do you want the output structured? Bullet list? Paragraph? An essay?
- **Audience:** Who is this for? Do you want something for children? Beginners? Experts?

Consider a prompt like the following:

"Write about artificial intelligence"

As opposed to:

"Write structure for a brief presentation on the use of artificial intelligence for a manufacturing business. The tone should be professional and aimed at business executives."

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### **Include Important Context**

Context is crucial when crafting prompts for ChatGPT. Providing relevant background information can improve the AI's understanding of your request and lead to more accurate responses.

Instead of:

"My code is throwing an error"

Consider:

"This line of code:

X

Is throwing the exception

Y"

While context is important, avoid providing too much information, as it may confuse the AI and distract it.

For example, instead of:

"Explain how to use a computer program"

Using our previous strategies, we'd have:

"Explain how to use a photo editing software, such as Adobe Photoshop, for beginners who have never worked with image editing tools."

Using our new tips, we'd add:

"Focus on basic functions like cropping, resizing, and adjusting color levels."

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## Provide Examples

Adding examples to your prompt can clarify what you mean and give the AI a baseline to work off of. Examples can help clarify your expectations and give ChatGPT a better understanding of the desired format or content.

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## Review

we covered some of the ways to effectively use prompts when working with ChatGPT. An effective prompt can make the difference in getting the information that we want. In summary, we should:

- Use **clear** language: Get rid of unnecessary information, jargon, confusing phrases, or mistakes.
- Define the **purpose** of the prompt using concepts like:
  - **Tone**: How do you want the output to sound? Funny? Professional?
  - **Format**: How do you want the output structured? Bullet list? Paragraph? An essay?
  - **Audience**: Who is this for? Do you want something for children? Beginners? Experts?
- Include important **context**: If there are specific limitations or requirements, make them clear in your prompt.
- Provide **examples**