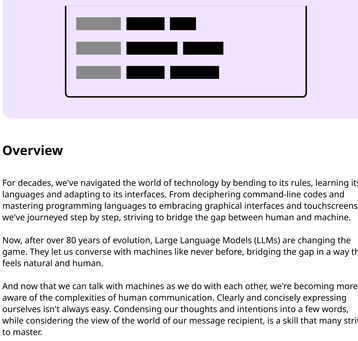
THE PROMPT GENIE

Anticipate user intent and help them create a more effective prompt quickly.



Overview

For decades, we've navigated the world of technology by bending to its rules, learning its languages and adapting to its interfaces. From deciphering command-line codes and mastering programming languages to embracing graphical interfaces and touchscreens, we've journeyed step by step, striving to bridge the gap between human and machine.

Now, after over 80 years of evolution, Large Language Models (LLMs) are changing the game. They let us converse with machines like never before, bridging the gap in a way that feels natural and human.

And now that we can talk with machines as we do with each other, we're becoming more aware of the complexities of human communication. Clearly and concisely expressing ourselves isn't always easy. Condensing our thoughts and intentions into a few words, while considering the view of the world of our message recipient, is a skill that many strive to master.

LLMs are fine-tuned on specific instructions and learn to complete requests written in certain ways. That is their view of the world. Even though we address them using natural language, we still need to adapt our communication to achieve the best results.

This is the reason prompt engineers exist and are highly valued by the tech companies. But we cannot expect our users to become skilled prompt engineers to achieve their goals through our products.

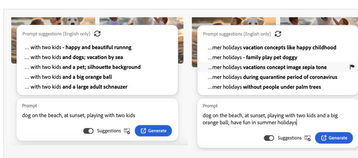
This is where the prompt genie comes in and help users overcome difficulties like:

- not knowing how to address the machine efficiently
- laking the articulation skills to write descriptive prose
- reliance on recollection instead of recognition
- difficulty of typing, especially on small touch devices

Solution

Navigating effective communication, a complex challenge, isn't a straightforward task. Yet, the Prompt Genie stands ready in various forms to lend a hand. Whether by completing prompts, offering suggestions, or refining existing ones, it's there to help users swiftly craft better prompts.

Prompt autocompletion



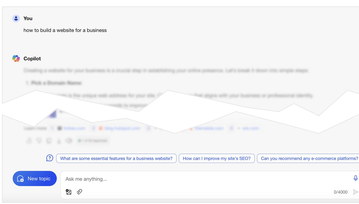
Adobe Firefly offers an optional autocomplete feature. This feature suggests words or phrases in a step-by-step manner to inspire users, speed up typing, and teach them how to create effective prompts.

Autocompleting text in input fields is a well-established pattern, commonly seen in search boxes, browser address bars, and various other fields with great success. Given that the prompt input box functions as a text area, it seamlessly aligns with the autocompletion pattern. However, there are notable differences, both in content and behaviour.

For prompts, relevance is key. Suggestions should reflect best practices in effective prompting and anticipate user intent based on factors like use case, user profile, and behaviour. For instance, a system administrator who is a heavy user of the security dashboard and wants to generate a report most likely wants to see a security incident report, a user access report or a network traffic analysis report.

As good prompts are often detailed and specific, it leads to a large number of candidate suggestions. Presenting all of them simultaneously would overwhelm users. To address this, the system suggests only the next few words, aiding users in completing the prompt incrementally and navigating the large space of possibilities easier. To facilitate this process, the flyout remains open upon selection, and the request isn't automatically submitted.

Related prompts



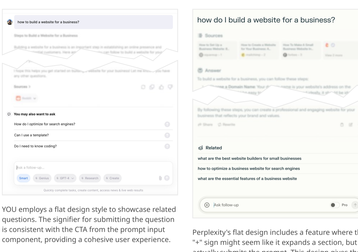
Bing displays related queries in a compact and prominent way. On narrower screens they display fewer suggestions in a vertical stack.

Related product suggestions are a staple feature on e-commerce websites, enhancing the shopping experience and boosting conversion rates. This functionality relies on anticipating user needs by analyzing various factors such as the current page, search query, browsing history, and actions of similar users.

Similar techniques can be applied to anticipate users' next requests and display them conveniently at the end of an answer, enabling users to click instead of type. The sophistication of the algorithm depends on the creator's objectives, ranging from enhancing user experience to increasing engagement or driving sales.

Considerations for implementing this feature include:

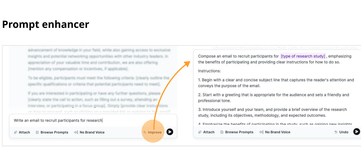
- Displaying a limited number of options to prevent overwhelming the user, with the quantity adjusted based on screen size.
- Showing suggestions only when there is high confidence in their usefulness, as indiscriminate use can detract from the user experience and slowly teach people to ignore them.



YOU employs a flat design style to showcase related questions. The signifier for submitting the question is consistent with the CTA from the prompt input component, providing a cohesive user experience.

Perplexity's flat design includes a feature where the "+" sign might seem like it expands a section, but it actually submits the prompt. This design gives the page a more document-like feel rather than a conversational one.

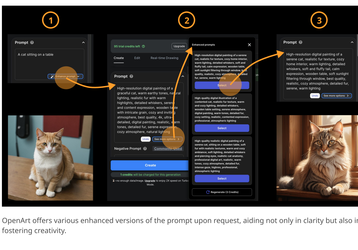
Prompt enhancer



With a simple click, copy.ai converts a vague prompt into clear instructions, resulting in a more favorable outcome. It's akin to producing a personalized prompt template.

Given that crafting a prompt involves language, why not leverage a large language model to assist us in writing better prompts? That's precisely the purpose of the prompt enhancer. By utilizing a fine-tuned Large Language Model (LLM) with examples of prompt enhancement, we can generate prompts that align with the language the model was trained on, resulting in improved outcomes.

This serves as both a usability enhancement, reducing the time and effort users invest in creating effective prompts, and a teaching tool, exposing users to relevant and high-quality examples.



OpenArt offers various enhanced versions of the prompt upon request, aiding not only in clarity but also in fostering creativity.