



ANTHROPIC AI HACKATHON

PROMPT CONSULTANT

TEXT

MOTIVATION

- ▶ LLMs are very capable

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WL

Write a poem about Lablab.ai's Anthropic hackathon



In the realm where innovation meets the mind's bound,
Where bright minds gather, their ideas unbound,
There lies a gathering of thinkers so wise,
Lablab.ai's Anthropic hackathon, a sight to prize.

A fusion of minds, with passion aflame,
Driven by curiosity, no challenge too tame.
They gather like stars, in a cosmic array,
To shape a future that will light the way.

Lablab.ai, the guiding force, leading the quest,
Igniting the spirits, fueling the zest.
Anthropic hackathon, a grand affair,
Where dreams and technology seamlessly pair.

A symphony of code, a dance of algorithms,
They unravel mysteries, like profound enigmas.
From AI's vast depths to the realms of the unknown,
They explore the uncharted, with minds of their own.

MOTIVATION

- ▶ LLMs are very capable
- ▶ Prompting is an art



count the number of characters in "fancy restaurants"



The phrase "fancy restaurants" consists of 16 characters, including spaces.



MOTIVATION

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WL

count the number of characters in "fancy restaurants". Step by step



Sure! Let's count the number of characters in the phrase "fancy restaurants" step by step:

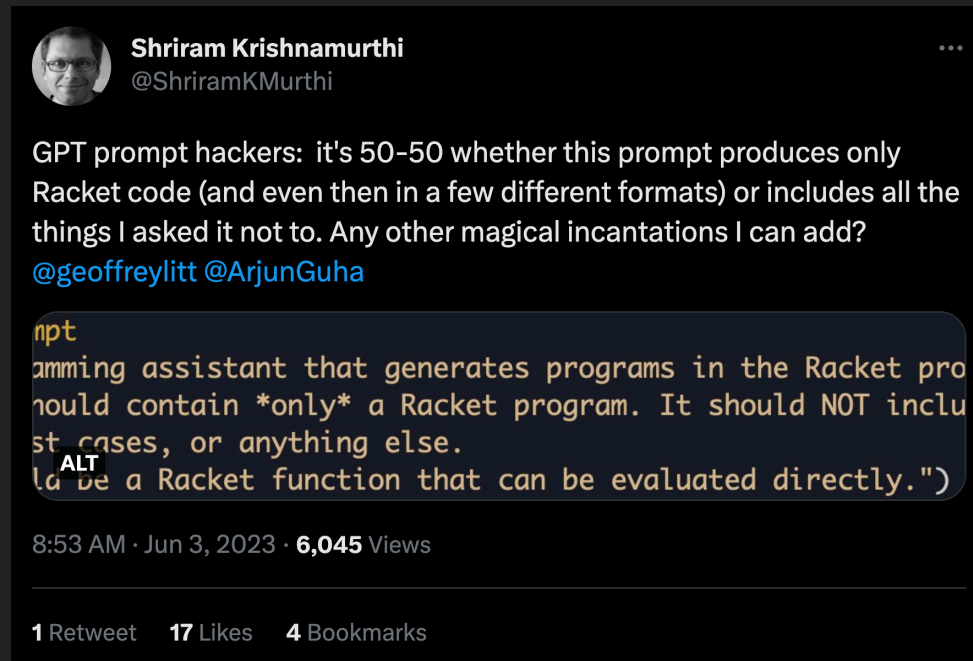


1. Write down the phrase: "fancy restaurants"
2. Count each character individually, including spaces and punctuation marks:
 - "f" (1 character)
 - "a" (1 character)
 - "n" (1 character)
 - "c" (1 character)
 - "y" (1 character)
 - " " (1 character, representing the space between "fancy" and "restaurants")
 - "r" (1 character)
 - "e" (1 character)
 - "s" (1 character)
 - "t" (1 character)
 - "a" (1 character)
 - "u" (1 character)
 - "r" (1 character)
 - "a" (1 character)
 - "n" (1 character)
 - "t" (1 character)
 - "s" (1 character)
3. Add up the counts: $1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 17$

Therefore, the phrase "fancy restaurants" has a total of 17 characters.

MOTIVATION

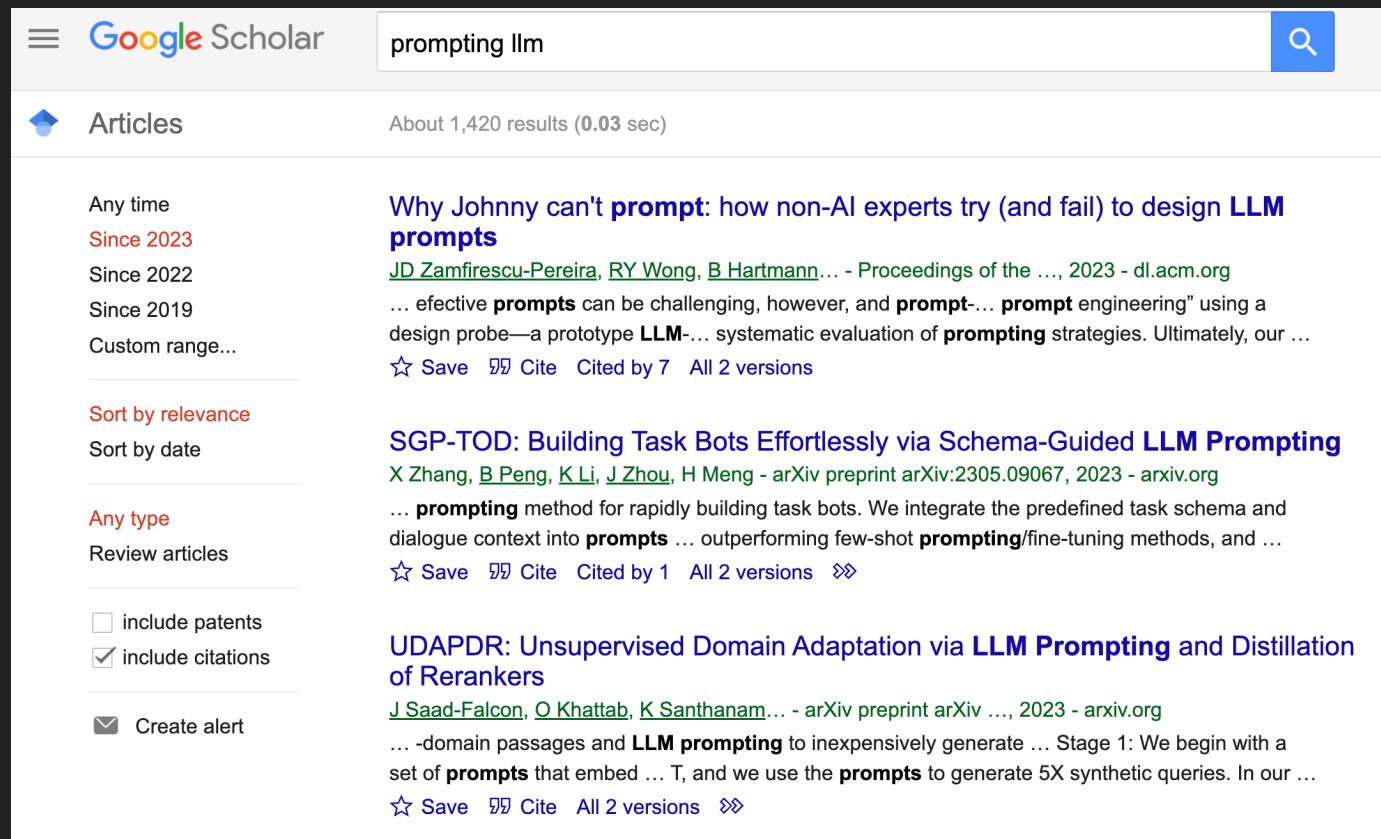
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TEXT

THE PACE OF LLM RESEARCH

THE PACE OF LLM RESEARCH



The screenshot shows a Google Scholar search interface. At the top, the Google Scholar logo is on the left, and a search bar contains the text 'prompting llm'. To the right of the search bar is a magnifying glass icon. Below the search bar, the results are categorized under 'Articles' with a sub-header 'About 1,420 results (0.03 sec)'. On the left side, there are filters for 'Any time', 'Since 2023', 'Since 2022', 'Since 2019', and 'Custom range...'. Below these are sorting options: 'Sort by relevance' (selected), 'Sort by date', and 'Any type' with a 'Review articles' option. At the bottom of the filters, there are checkboxes for 'include patents', 'include citations', and 'Create alert'. The main content area displays three search results. The first result is titled 'Why Johnny can't prompt: how non-AI experts try (and fail) to design LLM prompts' by JD Zamfirescu-Pereira, RY Wong, and B Hartmann, published in 2023. The second result is 'SGP-TOD: Building Task Bots Effortlessly via Schema-Guided LLM Prompting' by X Zhang, B Peng, K Li, J Zhou, and H Meng, an arXiv preprint from 2023. The third result is 'UDAPDR: Unsupervised Domain Adaptation via LLM Prompting and Distillation of Rerankers' by J Saad-Falcon, O Khatib, and K Santhanam, also an arXiv preprint from 2023. Each result includes a brief abstract and interactive links for 'Save', 'Cite', and 'Cited by'.

Google Scholar

prompting llm

Articles About 1,420 results (0.03 sec)

Any time
Since 2023
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Custom range...

Sort by relevance
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Review articles

include patents
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Create alert

Why Johnny can't prompt: how non-AI experts try (and fail) to design LLM prompts
JD Zamfirescu-Pereira, RY Wong, B Hartmann... - Proceedings of the ..., 2023 - dl.acm.org
... effective **prompts** can be challenging, however, and **prompt-**... **prompt** engineering" using a design probe—a prototype **LLM-**... systematic evaluation of **prompting** strategies. Ultimately, our ...
☆ Save 🔗 Cite Cited by 7 All 2 versions

SGP-TOD: Building Task Bots Effortlessly via Schema-Guided LLM Prompting
X Zhang, B Peng, K Li, J Zhou, H Meng - arXiv preprint arXiv:2305.09067, 2023 - arxiv.org
... **prompting** method for rapidly building task bots. We integrate the predefined task schema and dialogue context into **prompts** ... outperforming few-shot **prompting**/fine-tuning methods, and ...
☆ Save 🔗 Cite Cited by 1 All 2 versions 🔗

UDAPDR: Unsupervised Domain Adaptation via LLM Prompting and Distillation of Rerankers
J Saad-Falcon, O Khatib, K Santhanam... - arXiv preprint arXiv ..., 2023 - arxiv.org
... -domain passages and **LLM prompting** to inexpensively generate ... Stage 1: We begin with a set of **prompts** that embed ... T, and we use the **prompts** to generate 5X synthetic queries. In our ...
☆ Save 🔗 Cite All 2 versions 🔗

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LET LLM HELP US!

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- ▶ Use LLM to read the best prompt resource and tell us how to make our prompt better!

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- ▶ Use LLM to read the best prompt resource and tell us how to make our prompt better!
- ▶ Problem: The new prompting tricks keep coming and the LLM doesn't know them

LET LLM HELP US!

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- ▶ Problem: The new prompting tricks keep coming and the LLM doesn't know them
- ▶ Answer: Use in-context learning - put the latest prompting resource in the prompt

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- ▶ The new prompting papers and prompting tricks keep coming and it's impossible to train a new model each time a new prompting method is published
- ▶ Can't use the common vector search method because the user can ask any kind of questions and a prompting method with a non-similar example in different domain might be helpful as well
- ▶ The really long context length allow us to put the relevant prompting method in the context as much as possible

TEXT

PROOF OF CONCEPT DEMO

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- ▶ Use the latest prompting resource from <https://learnprompting.org/>

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- ▶ Use the latest prompting resource from <https://learnprompting.org/>
- ▶ Put the prompting resource to the context

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PROOF OF CONCEPT DEMO

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- ▶ Put the prompting resource to the context
- ▶ Let user consult our bot how to make their prompt better

TEXT

PROOF OF CONCEPT DEMO

- ▶ Use the latest prompting resource from <https://learnprompting.org/>
- ▶ Put the prompting resource to the context
- ▶ Let user consult our bot how to make their prompt better
- ▶ Use Anthropic's claude-v1.3-100k model

TEXT

PROOF OF CONCEPT DEMO

Prompt Consultant



Need help with prompting language models to answer?
Tell us your prompt/question and let us provide some tips for you!

TEXT

FUTURE WORK

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- ▶ Have a community to help collect all the best resource and paper to update the resource database

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- ▶ Have a community to help collect all the best resource and paper to update the resource database
- ▶ Add a share button so the user can share with the community what's good improvement they get

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- ▶ Have a community to help collect all the best resource and paper to update the resource database
- ▶ Add a share button so the user can share with the community what's good improvement they get
 - ▶ Can add them to the resource db and let the LLMs learn about these!