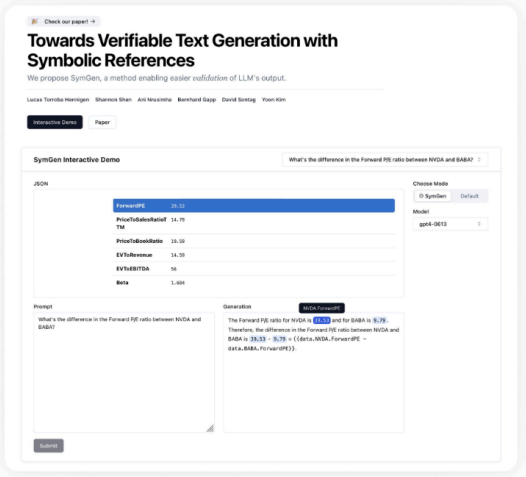

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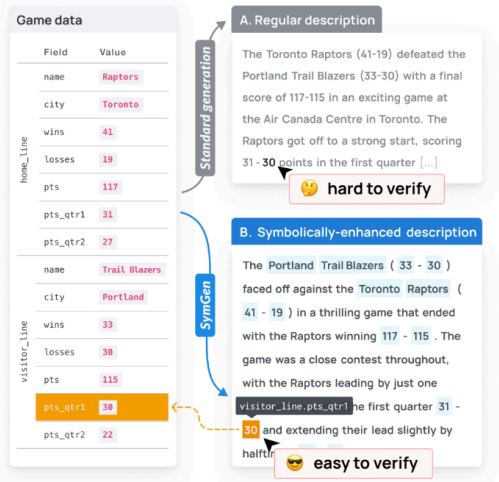
← Check our demo/paper
symgen.github.io

SymGen enables LLM generating **verifiable text** with fine-grained **symbolic references**.

It takes 20% less time for manually verifying the generations, while maintains generation quality.



Motivation
LLM generation is hard to verify

User: Can penguins fly?

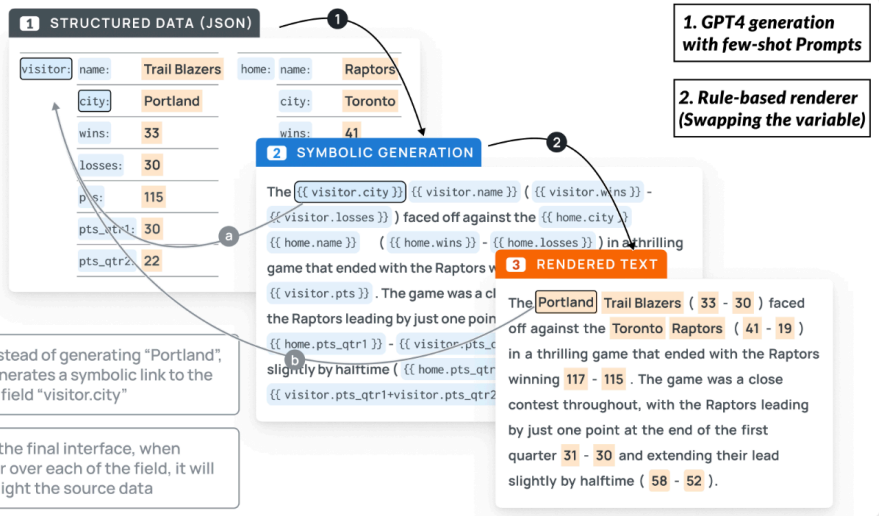
What we really want: fine-grained citation

LLM Agent: No penguins cannot fly. They are flightless bird. [1]

What we have: hard-to-verify document-level citations

Document 1

Penguins (order Sphenisciformes / sfɪˈnɪsəfoːrmiːz/, family Spheniscidae / sfɪˈnɪsɪdiː, -daɪ/) are a group of aquatic flightless birds. They live almost exclusively in the Southern Hemisphere: only on e species, the Galapagos penguin, is found north of the Equator.

Document 2

Highly adapted for life in the wat er, penguins have countershaded dark and white plumage and flippers for swimming. Most penguins fee d on krill, fish, squid and other forms of sea life which they catch with their bills and swallow W hole while swimming....