

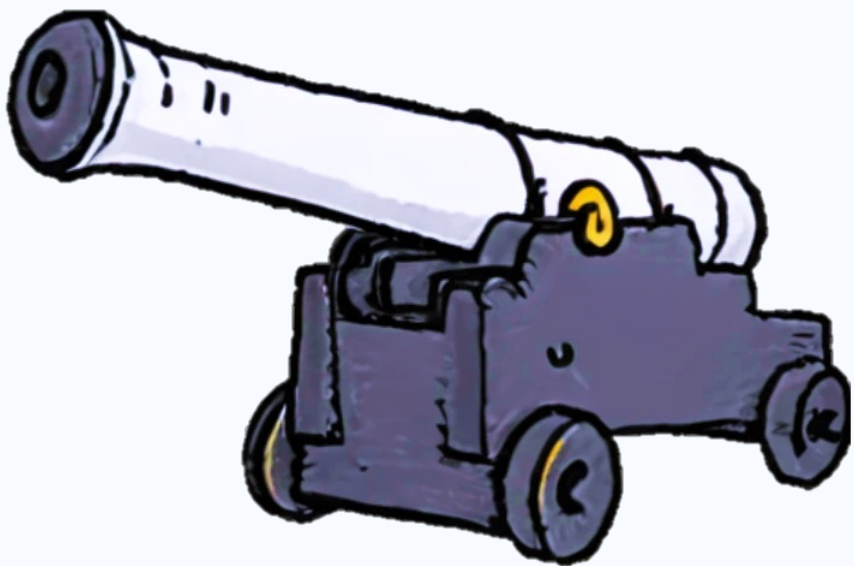
这是标题

这不是标题

烧香拜佛

原教旨主义 Agent

玉皇爷爷也姓张，
为啥为难俺张宗昌？
三天之内不下雨，
先扒龙皇庙，
再用大炮轰你娘。





划重点!

给出任务，能帮你完成的，就是 Agent

~~管它怎么完成~~

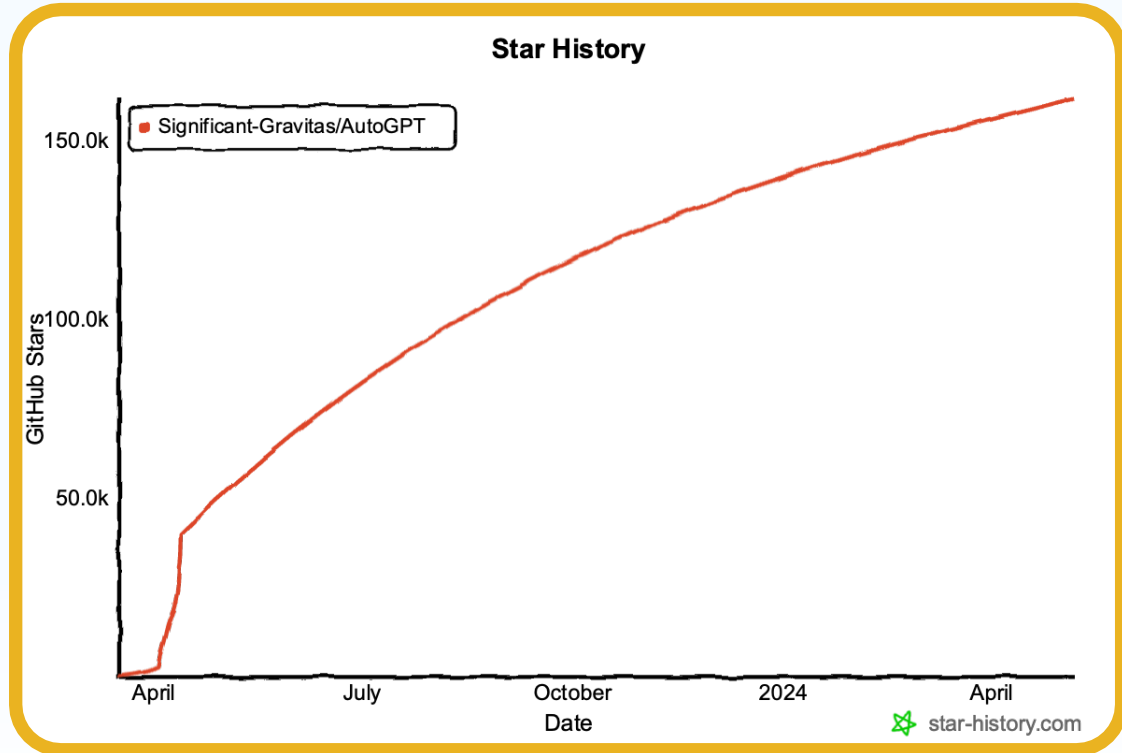
妈 ~ 饿 ~

这是最牛逼的 Agent Prompt

现代 *Agent* ?

要从几件小事儿说起

AutoGPT



斯坦福小镇



Toolformer: 大模型可以教自己使用工具

AI · 技术

Toolformer: Language Models Can Teach Themselves to Use Tools / AI 学会用工具了

原文: <https://arxiv.org/abs/2302.04761>

这是一篇没有经过同行评议 (peer review) 的论文, 描述了一个叫做Toolformer的模型, 功能是帮助语言模型(LMs)使用外部工具。甚至, 左脚踩右脚, 自己重写自己, 达到梯云纵。

这篇论文发布于 2023/02/09, 以下是英文概述及相关信息:

Toolformer: Language Models Can Teach Themselves to Use Tools

Timo Schick Jane Dwivedi-Yu Roberto Dessi[†] Roberta Raileanu
Maria Lomeli Luke Zettlemoyer Nicola Cancedda Thomas Scialom

Meta AI Research [†]Universitat Pompeu Fabra

Abstract

Language models (LMs) exhibit remarkable abilities to solve new tasks from just a few examples or textual instructions, especially at scale. They also, paradoxically, struggle with basic functionality, such as arithmetic or factual lookup, where much simpler and smaller models excel. In this paper, we show that LMs can teach themselves to *use external tools* via simple APIs and achieve the best of both worlds. We introduce *Toolformer*, a model trained to do this which APIs to call, when to

The New England Journal of Medicine is a registered trademark of [QA("Who is the publisher of The New England Journal of Medicine?") → Massachusetts Medical Society] the MMS.

Out of 1400 participants, 400 (or [Calculator(400 / 1400) → 0.29] 29%) passed the test.

The name derives from "la tortuga", the Spanish word for [MT("tortuga") → turtle] turtle.

啥啥啥？

这都是个啥？

来自 *OpenAI* 相关人员, *Agent*...

靠文字思考

能使用工具

能召唤帮手

插件，是一个尝试



OpenAI

@OpenAI



We're rolling out web browsing and Plugins to all ChatGPT Plus users over the next week! Moving from alpha to beta, they allow ChatGPT to access the internet and to use 70+ third-party plugins. help.openai.com/en/articles/68...

Settings



General

As a Plus user, enjoy early access to experimental new features, which may change during development.

Beta features

Data controls

Web browsing

Try a version of ChatGPT that knows when and how to browse the internet to answer questions about recent topics and events.

Plugins

Try a version of ChatGPT that knows when and how to use third-party plugins that you enable.

2:00 PM · May 12, 2023

顺道，有了 *Function Call*

Function calling example



What's the weather like in Boston right now?

Step 1 · **OpenAI API**

Call the model with functions and the user's input



Step 2 · **Third party API**

Use the model response to call your API



Step 3 · **OpenAI API**

Send the response back to the model to summarize



The weather in Boston is currently sunny with a temperature of 22 degrees Celsius.

顺道，有了 *Custom Instruction*

Custom instructions

What would you like ChatGPT to know about you to provide better responses?

I'm a software developer and solely use go lang.

How would you like ChatGPT to respond?

When I ask you for code, please just give me the code without any explanation on how it works. Bias towards the most efficient solution.



Write me code for getting the nth number in the Fibonacci sequence



```
package main

import "fmt"

func Fibonacci(n int) int {
    if n ≤ 1 {
        return n
    }
    a, b := 0, 1
    for i := 2; i ≤ n; i++ {
        a, b = b, a+b
    }
}
```

顺道，有了 *ALL Tools*

Your GPT-4 has been updated



Upload many types of documents

Work with PDFs, data files, or any document you want to analyze. Just upload and start asking questions.



Use Tools without switching

Access to Browsing, Advanced Data Analysis, and DALL-E is now automatic. (if preferred, manual selection is still available under GPT-4.)

Continue

然后, 有了 GPTs

Blog

Introducing GPTs

You can now create custom versions of ChatGPT that combine instructions, extra knowledge, and any combination of skills.

 <p>ed on the redients you</p>	<h3>Creative Writing Coach</h3> <p>I'm excited to read your work and give you feedback to improve your skills.</p> 	<h3>Laundry Buddy</h3> <p>Ask me anything about stains, settings, sorting and everything laundry.</p>
<h3>Game Time</h3> <p>I can quickly explain board games or card games to players of any skill level. Let the games begin!</p> 	<h3>Tech Advisor</h3> <p>From setting up a printer to troubleshooting a device, I'm here to help you step-by-step.</p> 	
<p>kids with sher on ere for you.</p> 	<h3>Sticker Whiz</h3> <p>I'll help turn your wildest dreams into die-cut stickers, shipped to your door.</p> 	<h3>The Negotiator</h3> <p>I'll help you advocate for yourself and get better outcomes. Become a great negotiator.</p>

以及..接口上做了点更新

Function Calling: 更新多参数生成功能，可以让一轮对话完成多项任务

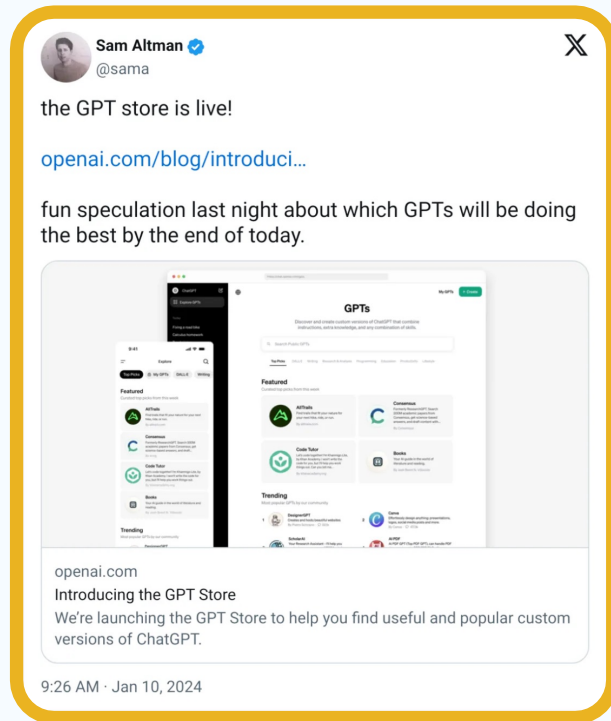
JSON Mode: 让 API 通过 JSON，而非文字，来做出回应

Seed: 设定随机值，提高一致性

Assistants API & Code Interpreter: 可以理解为把 ChatGPT 的 Bot，搬到了 API 里

Retrieval: 简易化知识库构建

再接着，是 *GPT Store*



啥啥啥？

后面还有啥？

Altman 表示

~~ChatGPT 已死，Sora 不立~~
~~岁不在 AI Pin，Agent 大吉~~

AI 杀手级应用：“一个能干的伙伴，对你的生活了如指掌，记住你的所有消息，而非一个简单工具。”

对于简单任务，这个应用能够立即处理；
而对于复杂任务，则能够尝试解决，必要时还会回来向你确认细节。

相比这个，ChatGPT，大力出奇迹，Sora 都不太行

OpenAI 的相关工作人员表示

每次模型迭代

Agent 的最佳实践都得重来

现在该做啥

学 Python, 搓 Agent

就酱，拜拜



微信搜一搜



赛博禅心