OpenAl API with Python Introduction

Eli the Computer Guy - August 6, 2019

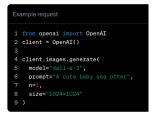
The Only Constant is Change...

did the role of assistant change in openai api

Yes, OpenAl has made several updates and improvements to its API, including changes to the role and capabilities of the assistant over time. The assistant now can handle more complex tasks, provide more accurate and detailed responses, and support various functions like image generation, code execution, and browsing the web for real-time information. Additionally, the API has become more versatile and easier to integrate into different applications and services.

ChatGPT Doesn't Know OpenAl

 $\label{localis:the openAl API method `images.generate` does not exist. Instead, you should use `openai.Image.create`.$



IT'S NOT Al!!!!! But it's still very cool	
LLM's determine the statistical relationship between "tokens" Tokens are Words, Parts of Words and Symbols	
An LLM Breaks down a request and provides a response based off off the relationship between the tokens.	
The response then associates the words to the tokens of provide a human readable answer	
It's not racist, or sexist, or good, or bad It's math	
An LLM is a single component of an "Intelligent" System.	
ARCHITECTURE!!!	
AROTH LOTOTLE	
Caching	
Databases	
Training Systems	
• SOA	
Pricing and Context Windows	
https://openai.com/api/pricing/	
Context Window Means Total Tokens Used for both Input and Output	
If limit hit OpenAl just stops in the middle of a sentence	

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Setup OpenAl API	
python3 -m pip install openai	
https://platform.openai.com/docs/api-reference/introduction	
]
API KEY	
Standard VariableEnvironment VariableExample	
set-key.pybasic.pyDon't Upload your Key to GitHub!!!!	
Born opioad your Ney to dithlub:::	
Chat Request	
import openai	
Set API KEY In Script	
System Environment Model	
Parsing ReturnExample = basic.py	

Roles	
 System - Character of the Response - Only One Assistant - ??? It changed 	
User - users comments to OpenAl	
Models	
 Each model will respond differently. Sometime "worse" models actually respond better. You can use for loops to see the differences between models. 	
https://platform.openai.com/docs/modelsExample = model-variation.py	
Prompt Injection	
Manually or Dynamically add information to request	
 "Who is MY president?" Skew Al Response before it gets to user Example = injection.py 	

DALLE Image Request	
• Size	
 Dall E 2 - 256x256, 512x511, 1024x1024 Dall E 3 - 1024x1024, 1792x1024, 1024x1792 Download Images 	
Examples dalle.py	
dalle-download.py	
	1
Labs	
lab-about-me.py lab-auto-blog.py	
lab-gallery.py	