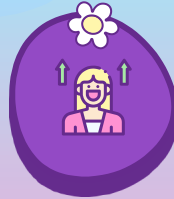


# Beyond the Cage AI & The Spirit of Discovery





# Yolo!



## Emerging Tech

Right tool for the right job



## Reducing Risk

Make it kinda work and lower the stakes



## Break & Iterate

Continuous systems are valuable

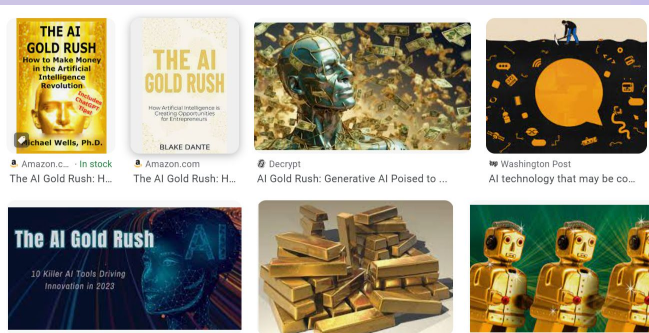


# It kinda works

Hype is not validation.

Debunk the wild claims.

Join the community.



# Play



Low Risk



Creative



Inclusive



Following

**Callin' Oates** 📞 🧑 🧑 🎵

@CallinOates

Have a Hall & Oates emergency? Call 719-26-OATES (266-2837) Powered by [@Twilio](#)

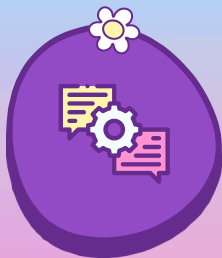
Lovingly crafted by [@selviano](#) & [@rbutlersf](#)

📍 Everywhere I look 📅 Joined December 2011





# Break & Iterate



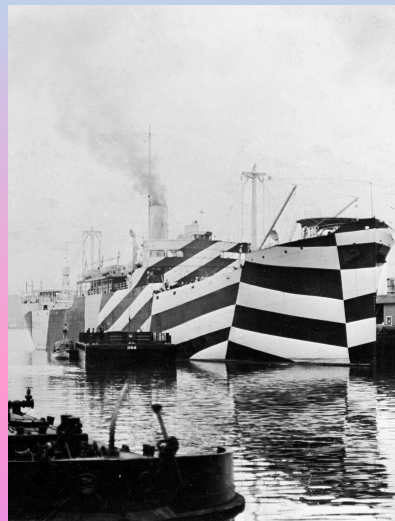
## Security

Users? amirite?



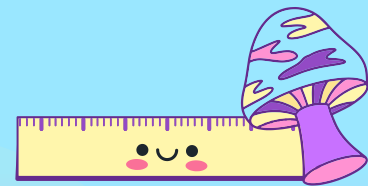
## Spacklepunched

Inevitable  
Innovations





# ★ I Am A Large Language Model ★



## Data

Target training data set



## Parameters

Derived adjustments to minimize error



## Architecture

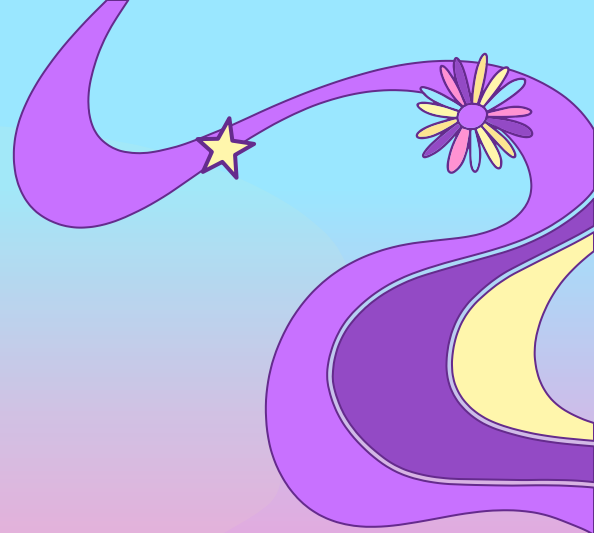
Neural Networks

## Output

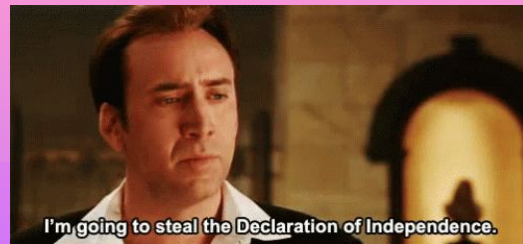
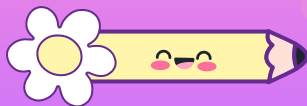
The next most likely token in a sequence







# Praise Cage!

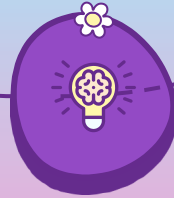




# Building an Agent



Cleaning Data



Testing Prompts



Automation

ChatGPT can do it all!  
sorta...



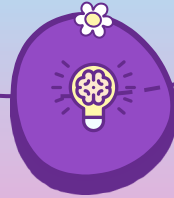




# Building an Agent



**Cleaning Data**



**Testing Prompts**



**Automation**

Select Code Interpreter Model & upload a .CSV file  
Prompt it to manipulate the data.



# Code Interpreter



Finished working

Show work ▾



I have created a new JSON file with the deduplicated data. You can download it using the link below:

[Download deduped\\_leads.json](#)



are these public links?



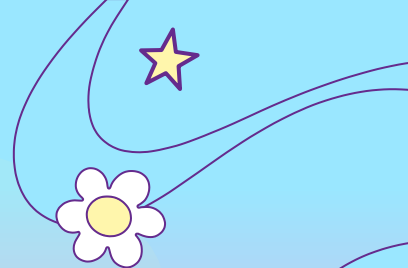
No, these are not public links. These links are accessible only within this chat session. They allow you, the user, to download the files generated during this session. Once the session ends, the files are deleted and the links will no longer work. They are not accessible or visible to anyone else, ensuring the privacy and security of your data.



oh good, I was about to say ...



Absolutely! OpenAI places a high priority on privacy and security. All data used in this session, including files you upload, data you input, and files generated, are only accessible to you during this session and are deleted after the session ends. If you have any other questions or need help with anything else, feel free to ask.

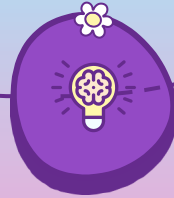




# Building an Agent



Cleaning Data



Testing Prompts



Automation

Learn Python





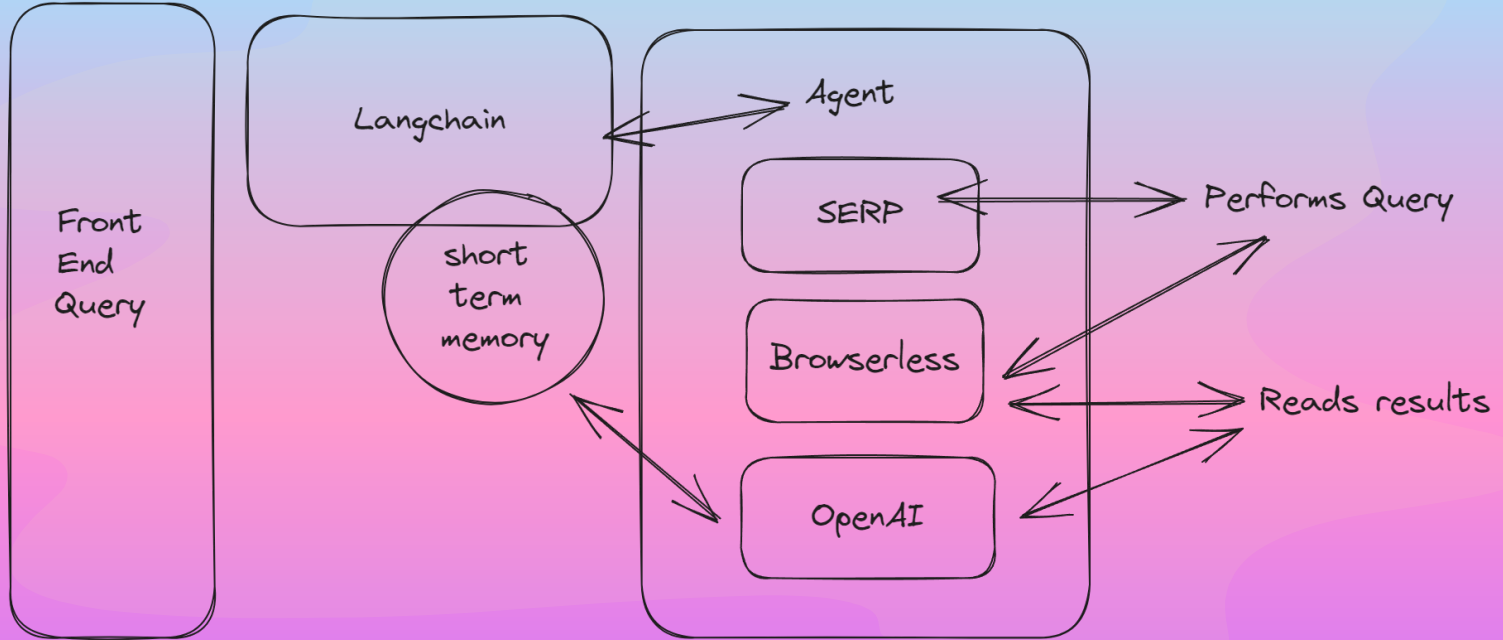


- Custom embeddings and Vector databases.
  - The most amount of work.
- Token limits and maintaining coherence.






# Architecture



```
25 # 1. Tool for search
26 > def search(query):
27     ... return response.text
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36 # search("What is The Frick Collection and what is their main line of business?")
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43 # 2. Tool for scraping
44 > def scrape_website(objective: str, url: str):
45     ... print(f"HTTP request failed with status code {response.status_code}")
46
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52 # scrape_website("What is langchain?", "https://python.langchain.com/en/latest/index.html")
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59 > def summary(objective, content):
60     ... return output
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112 > class ScrapeWebsiteInput(BaseModel):
113     ... url: str = Field(description="The url of the website to be scraped")
114
115
116
117
118
119 > class ScrapeWebsiteTool(BaseTool):
120     ... raise NotImplementedError("error here")
121
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129
130 # 3. Create langchain agent with the tools above
131 > tools = [
132     ...
133 ]
134
135
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139
140 > system_message = SystemMessage(
141     ...
142 )
143
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152
153 agent_kwargs = {
154     "extra_prompt_messages": [MessagesPlaceholder(variable_name="memory")],
155     "system_message": system_message,
156 }
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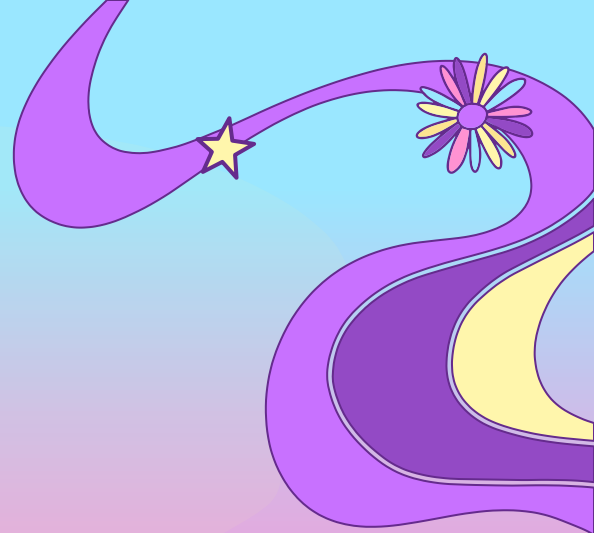
""You are a world class researcher, who can do detailed research on any topic and produce facts based results; you do not make things up, you will try as hard as possible to gather facts & data to back up the research  
Please make sure you complete the objective above with the following rules:

- 1/ You should do enough research to gather as much information as possible about the objective
- 2/ If there are url of relevant links & articles, you will scrape it to gather more information
- 3/ After scraping & search, you should think "is there any new things i should search & scraping based on the data I collected to increase research quality?" If answer is yes, continue; But don't do this more than 3 iterations
- 4/ You should not make things up, you should only write facts & data that you have gathered
- 5/ In the final output, You should include all reference data & links to back up your research; You should include all reference data & links to back up your research
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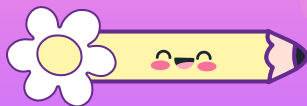


## –Prompting





# Praise Cage!

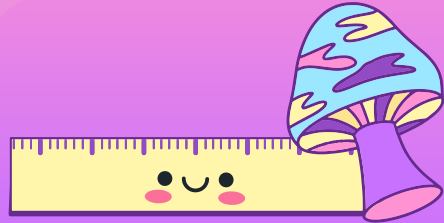




★ face/off ★



# Stochastic Parrots



★ **Not A Good Look** ★



**Invisible Labor**

Exploitation of data labellers



**SPAM**

Spam spam spam  
spam spam spam



**Devaluing Humans**

Misrepresentation of machine output



**SPAM**

Spam spam spam  
spam spam spam



**Systemic Bias**

Reflections in the model



**SPAM**

Spam spam spam  
spam spam Glorbo!



# Fairwork Cloudwork Ratings 2023: Work in the Planetary Labour Market

The Fairwork Cloudwork Ratings 2023 assesses and scores basic standards of fairness in working arrangements on 15 web-based digital labour platforms according to the five Fairwork principles: fair pay, conditions, contracts, management, and representation.

This year's scores, show that platforms are still far from safeguarding the basic standards of fair work expressed in our five principles. Three platforms scored 5 points out of 10. For the other 12 platforms, we were unable to get evidence that they met more than 3 of our 10 thresholds. For four platforms, we could not find evidence that they met any threshold.

The Fairwork cloudwork research has revealed precarious conditions for workers active in microwork platforms that provide services such as data annotation and labelling, video scoring and model evaluation to artificial intelligence (AI) companies. Microwork platforms were among the lowest scores in our evaluation this year. While the run for AI deployments gets public hype and momentum, workers behind the design, building and testing of these technological solutions, unfortunately, still face enormous challenges and experience unfair working conditions.







Reflect the best in all of us.





# Thanks!



Want to build something together?

[pchinjr@gmail.com](mailto:pchinjr@gmail.com)

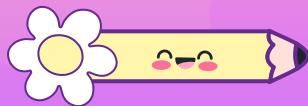
Paul Chin Jr.



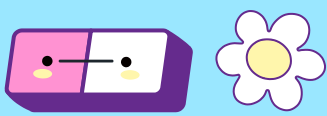
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Give yourselves a round of applause







# Links!



1. <https://www.theverge.com/2011/12/20/2650473/callinoates-interview-hall-oates-hotline-michael-selvidge-reid-butler>
2. <https://twistedstifter.com/2010/02/razzle-dazzle-camouflage/>
3. <https://llm-attacks.org/>
4. <https://www.thisiscoossal.com/2013/11/the-writer-automata/>
5. <https://fair.work/wp-content/uploads/sites/17/2023/07/Fairwork-Cloudwork-Ratings-2023-Red.pdf>
6. <https://github.com/JayZeeDesign/researcher-gpt>
7. <https://www.youtube.com/watch?v=nyuvUPAI0gg>
8. <https://www.youtube.com/watch?v=1RL2hSf9DYY>

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