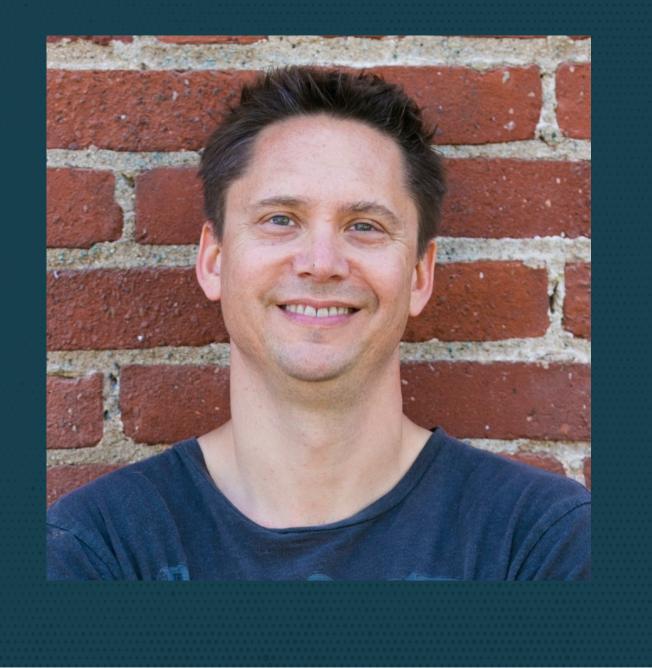


Presenter Michael Bell

From Treatise to Tech: The Development of ChatSOC, an AI Research Assistant





SULLIVAN ON COMP

The most comprehensive and up-to-date digital resource on California workers' compensation law for attorneys, adjusters, and other industry professionals

		SE ChatSOC	WEBINARS	CALCULATORS	UPDATES	TRAINING	
	ON COMP TREAT		WEDINARO	CALGULATORS	UPDATES	TRAINING	$x_{i} \in \{1, 2, 3\}$
				٩			
	Table of Contents						
	Chapter 1: California System						
			Chapter 10: Permanent Disability				
	Chapter 2: Jurisdiction and Subrogation		Chapter 11: Return To Work				
	Chapter 3: Business of Insurance		Chapter 12: Death Benefit				
	Chapter 4: Employment		Chapter 13: Penalties and Sanctions				
	Chapter 5: Injury		Chapter 14: Discovery and Settlement				
	Chapter 6: Statutes of Limitations Chapter 7: Medical Treatment		Chapter 15: Pretrial Litigation Chapter 16: Trial and Appeal				
	Chapter 8: Compensation R	ate	Glossary o	f Terms			
	Chapter 9: Temporary Disability		Index				
		-					

CONTAC

LOG IN

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How much time do you waste combing through different resources? Or waiting for your colleagues to get back to you with answers?

Save countless hours by having all the information on California workers' compensation law right at your fingertips.



$\star\star\star\star\star\star$

It's like Google, but for California workers' comp.

-Adam Dombchik, Co-Managing Partner, Gordon, Edelstein, Krepack, Grant, Felton & Goldstein



ChatSOC

Your personal research and communication assistant that helps you work faster



CONTACT

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ABOUT

WHAT IS ChatSOC

HOME

ChatSOC

ChatSOC is a chatbot that has access to all the content of Sullivan on Comp. It gives you an answer to legal or procedural questions about California workers' compensation in seconds by connecting the dots from different chapters of the treatise.

Rather than spending time going through different treatise chapters and piecing the information together yourself, you can simply ask ChatSOC a question and get an answer quickly, like you would from a human.

How much time do you waste

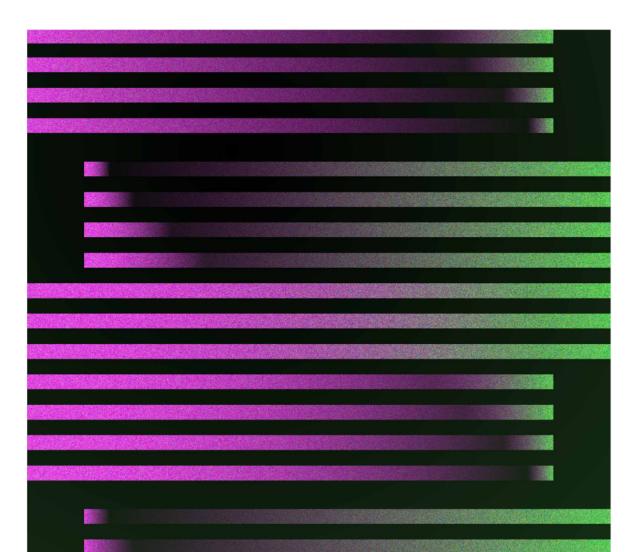




ChatGPT: Optimizing Language Models for Dialogue

We've trained a model called ChatGPT which interacts in a conversational way. The dialogue format makes it possible for ChatGPT to answer followup questions, admit its mistakes, challenge incorrect premises, and reject inappropriate requests. ChatGPT is a sibling model to <u>InstructGPT</u>, which is trained to follow an instruction in a prompt and provide a detailed response.

November 30, 2022 13 minute read





Thank you to all who joined us in Miami for the 2022 inaugural TLTF Summit!



Get Updates on TLTF Summit 2023





Categories 🗸

Q

Dashboard Browse Answers

Startup Advice from World Class Experts

Kate Kendall -

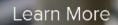
Founder and CEO of CloudPeeps. Created The Fetch.

Fundraising Marketplaces

Social Media Marketing Email Marketing

Community Building

Find Your Expert





upwork

Q

Build and train a stand-alone GPT-3 instance

Posted last year

Worldwide

Build and train a stand-alone GPT-3 instance to answer user questions based on our legal treatise. Also, create an API interface that can be used to submit queries and provide responses.

Less than 30 hrs/week Hourly	Juration
Intermediate Experience Level	(5) \$40.00-\$75.00 Hourly
Project Type: Ongoing project	
Skills and Expertise Machine Learning Languages	Other
Python	Amazon Web Services Artificial Intelligence

What did we have?



Our Content

16 chapters

636 Sections

• 4,273 sub-sections

• Over 2 million words



CPWC-IND Indemnity Workers' Compensation Adjuster

Learn more >

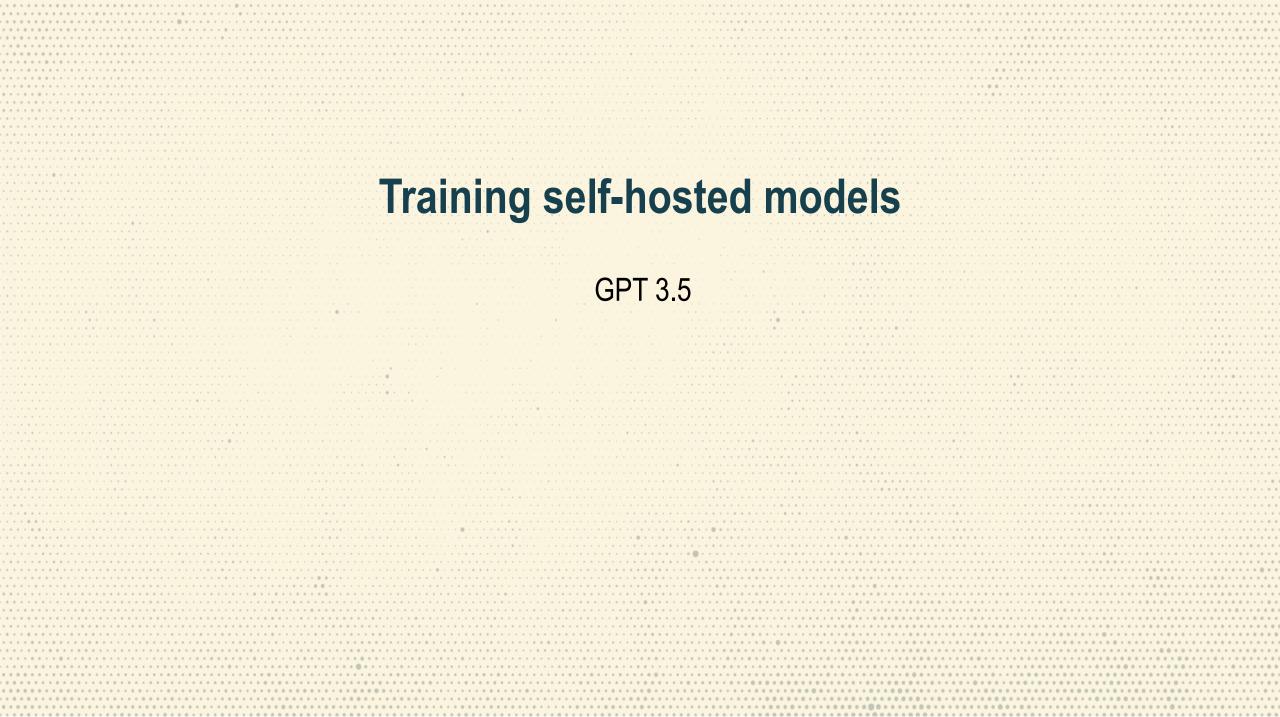
Quiz Data

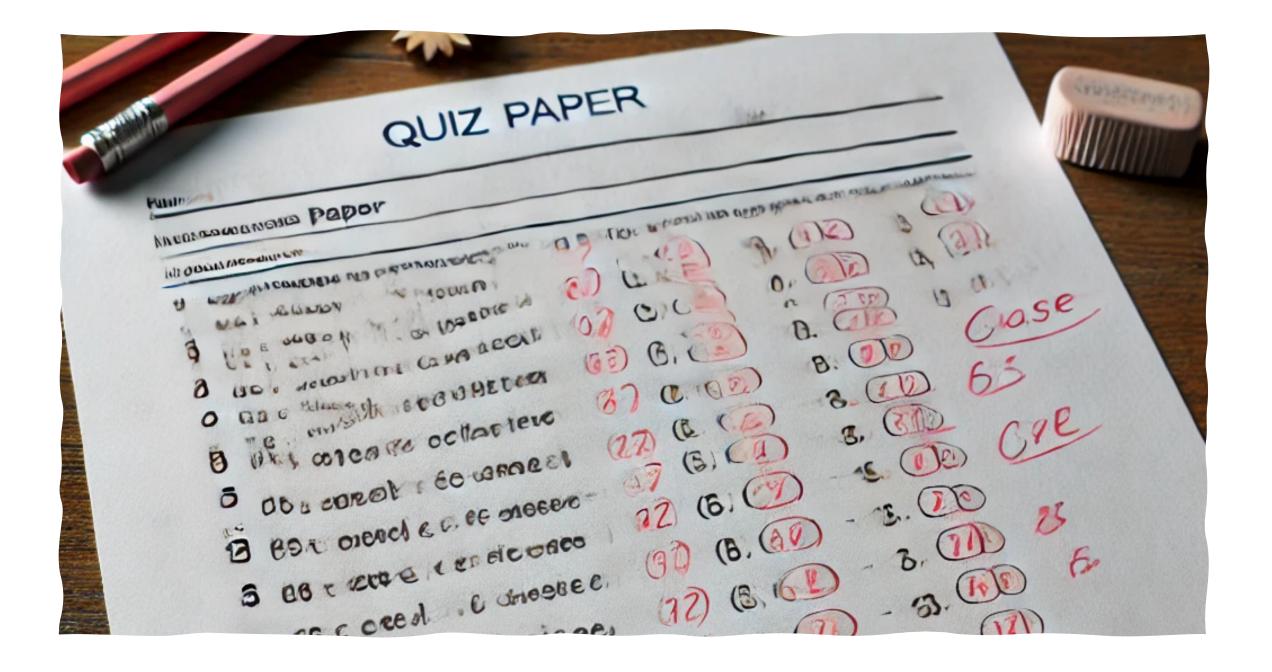
500 True/False & Multiple-Choice Questions

 Derived from a 120-hour 24module adjuster training course

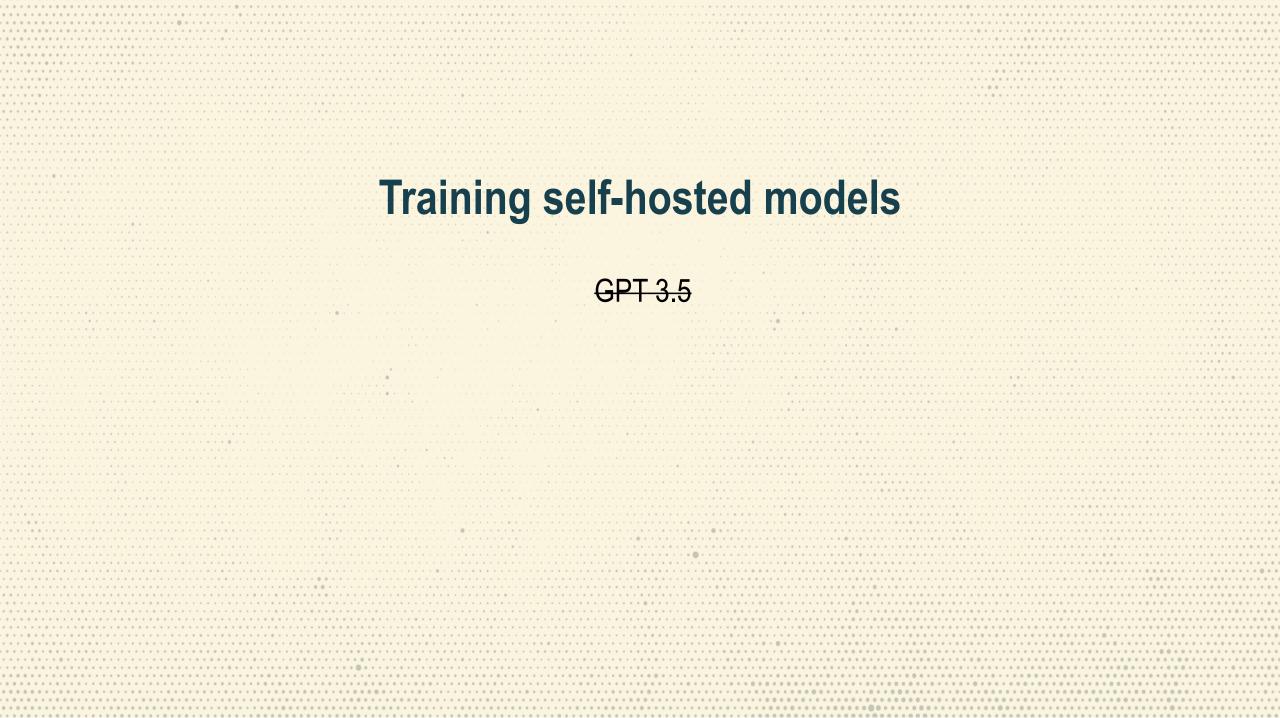




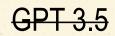


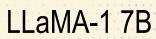






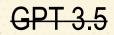


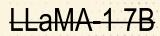




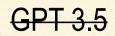


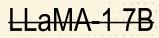


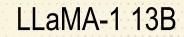








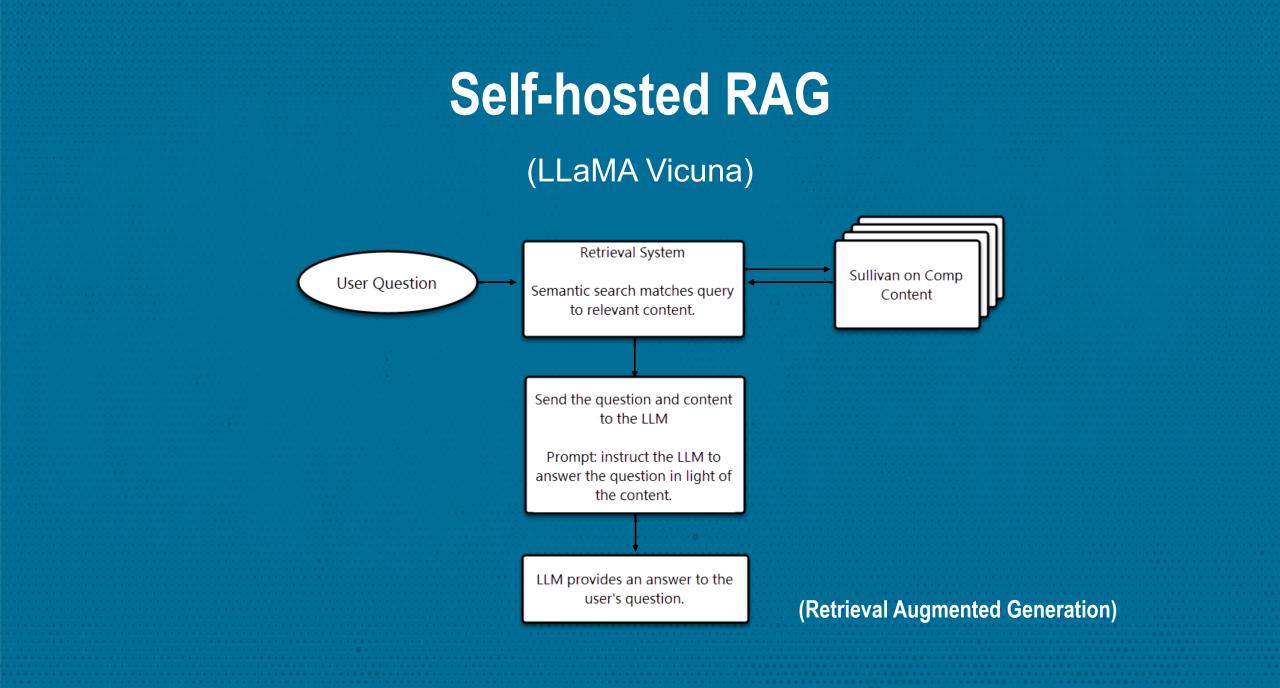


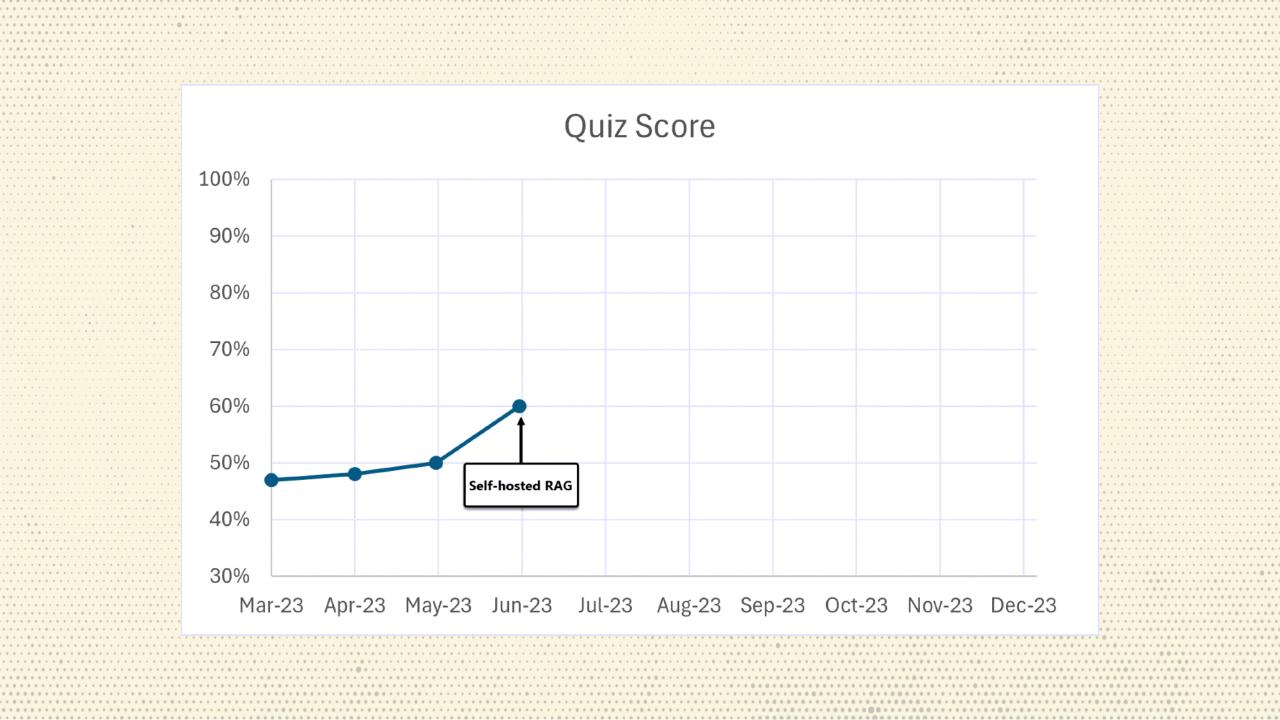












March 2023

Research Products Safety Company

Q

Enterprise privacy at OpenAl

Trust and privacy are at the core of our mission at OpenAI. We're committed to privacy and security for ChatGPT Team, ChatGPT Enterprise, and our API Platform.

Our commitments

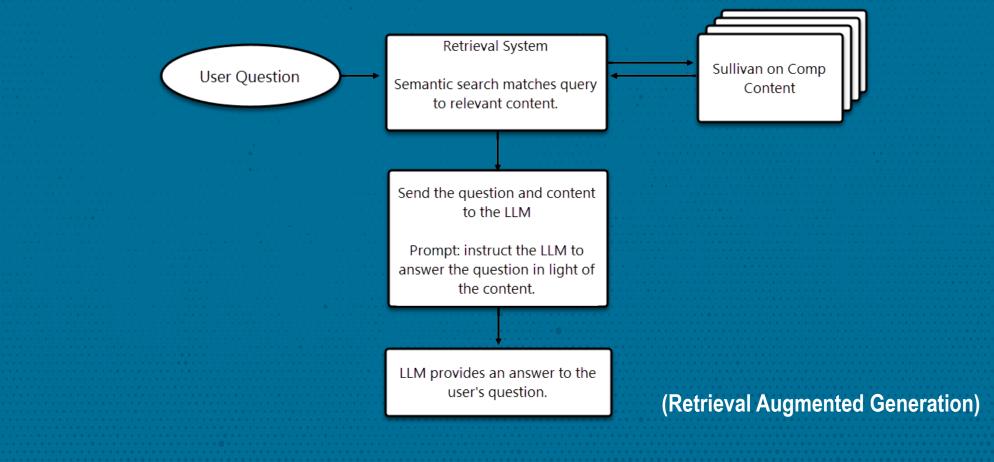
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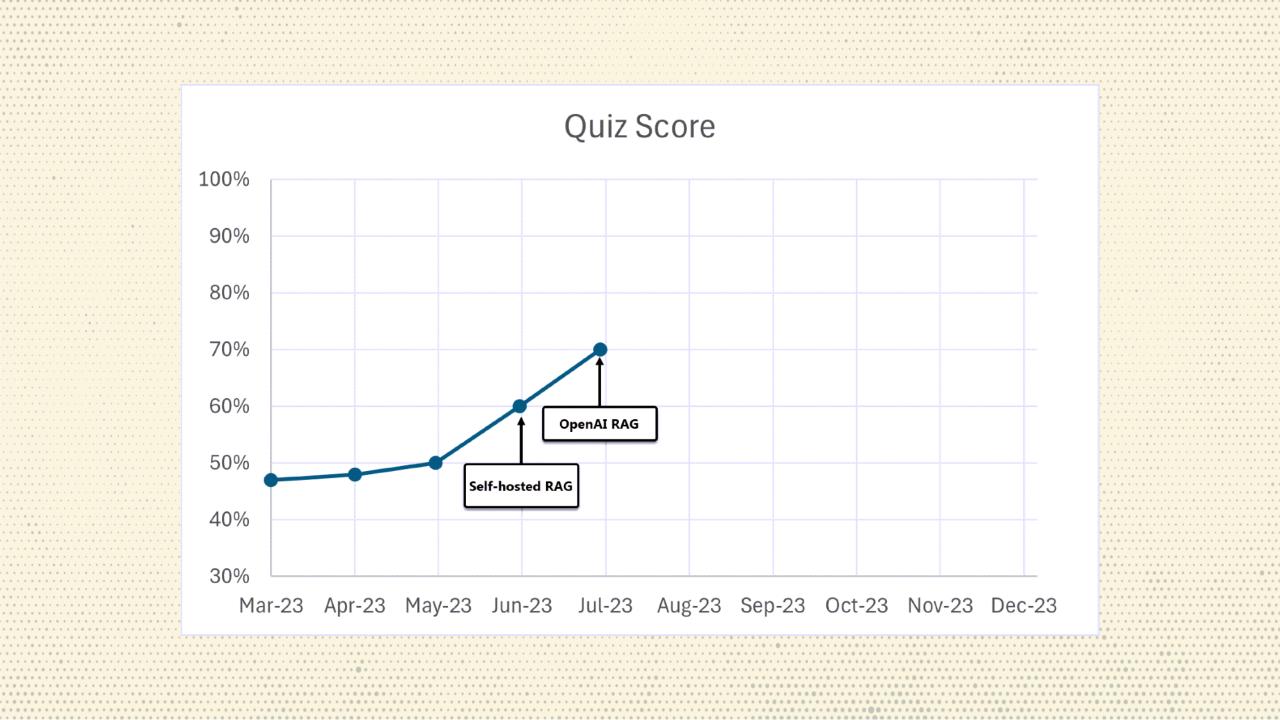
Ownership: You own and control your data

- We do not train on your business data (data from ChatGPT Team, ChatGPT Enterprise, or our API Platform)
- ✓ You own your inputs and outputs (where allowed by law)
- ✓ You control how long your data is retained (ChatGPT Enterprise)



OpenAl API RAG





Our content experts

Our content experts



Our content experts



Attorneys at our firm

Our content experts



Attorneys at our firm



Subjective user feedback

Our content experts

Attorneys at our firm



Beta users (adjusters)

Subjective user feedback

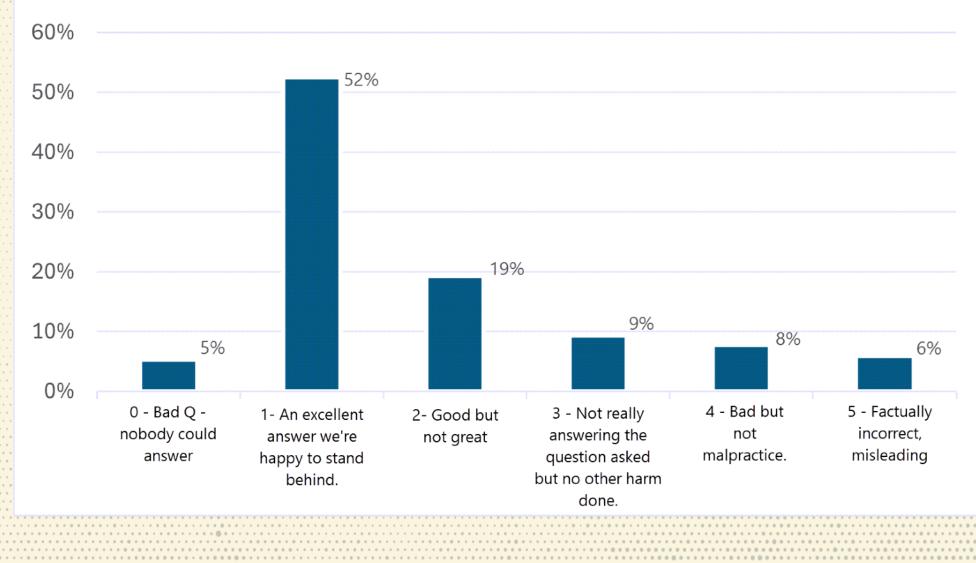
Our content experts

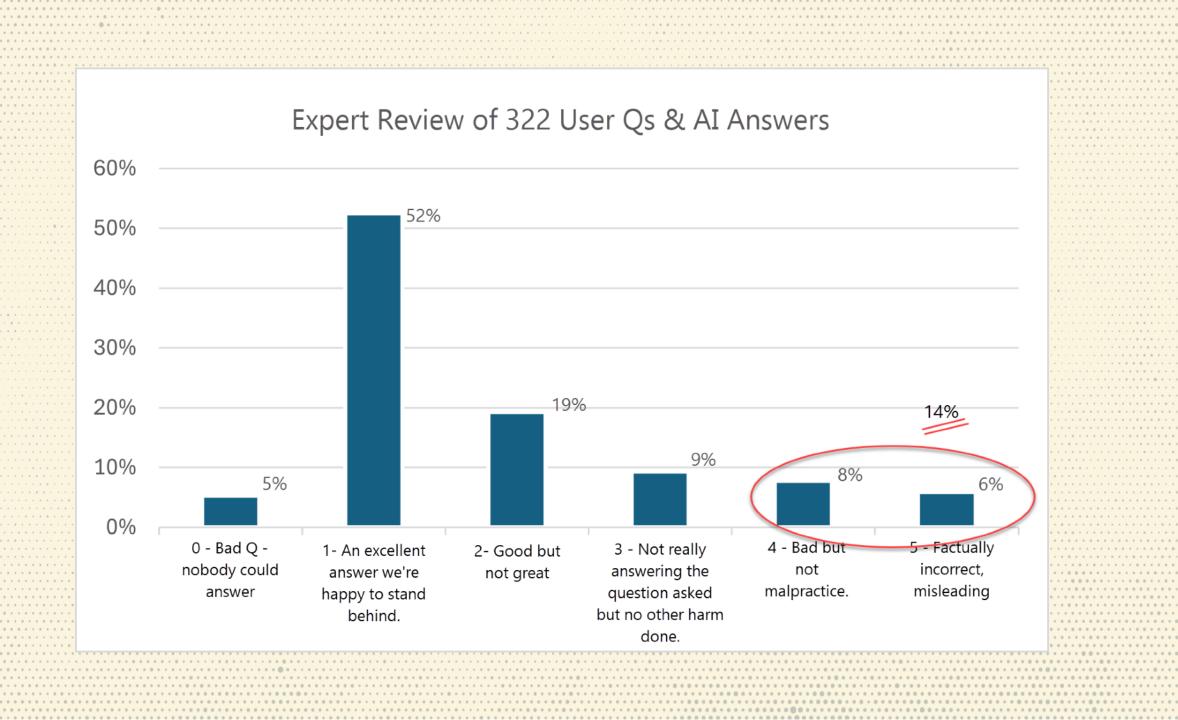
Attorneys at our firm

.....

Beta users (adjusters)







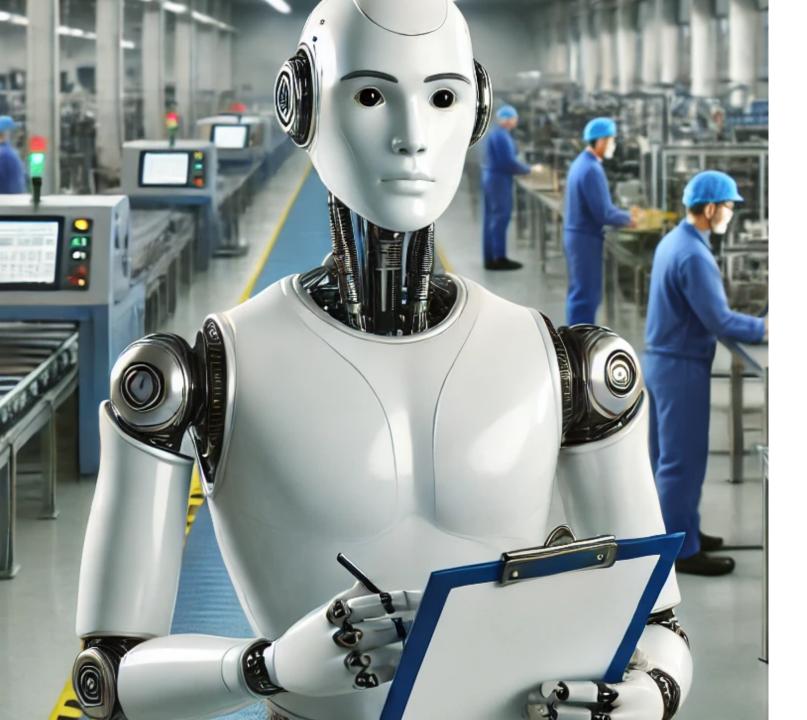


Sample questions from experts

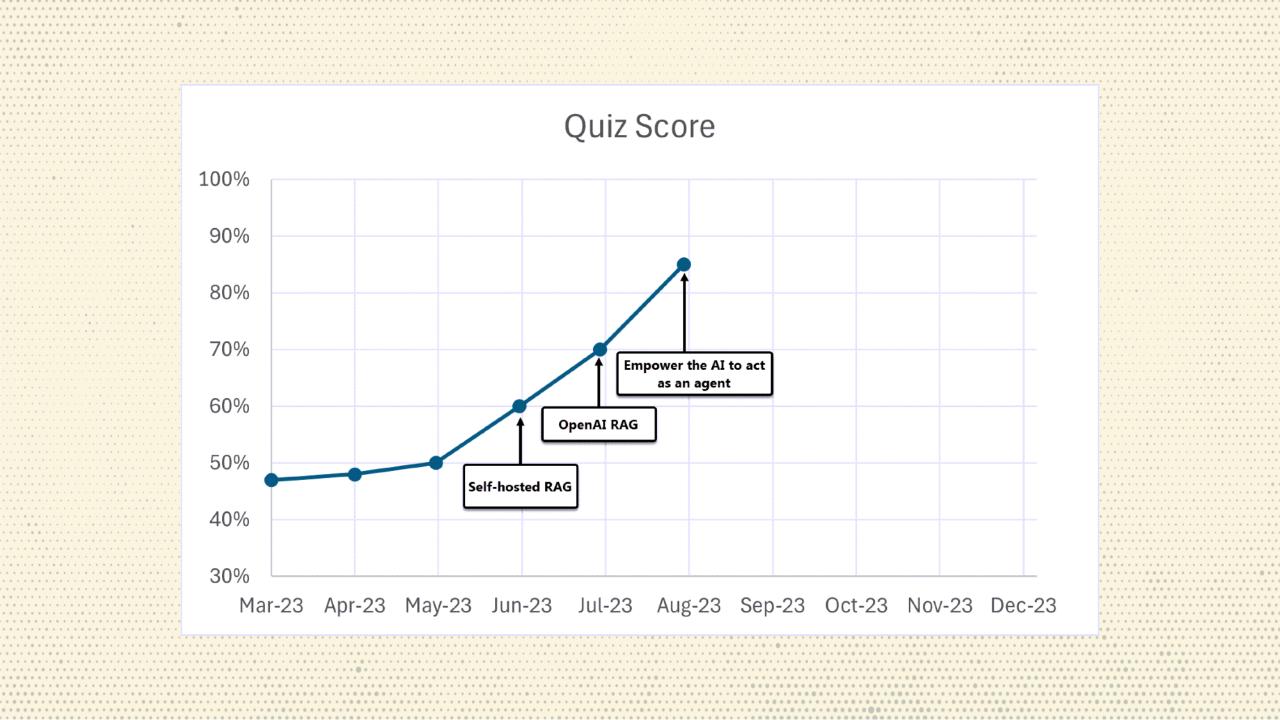
- What are proper grounds for apportionment of permanent disability?
- Utilization review usually decides whether proposed medical care is reasonable and necessary. Are there any times where the WCJ may decide this instead?

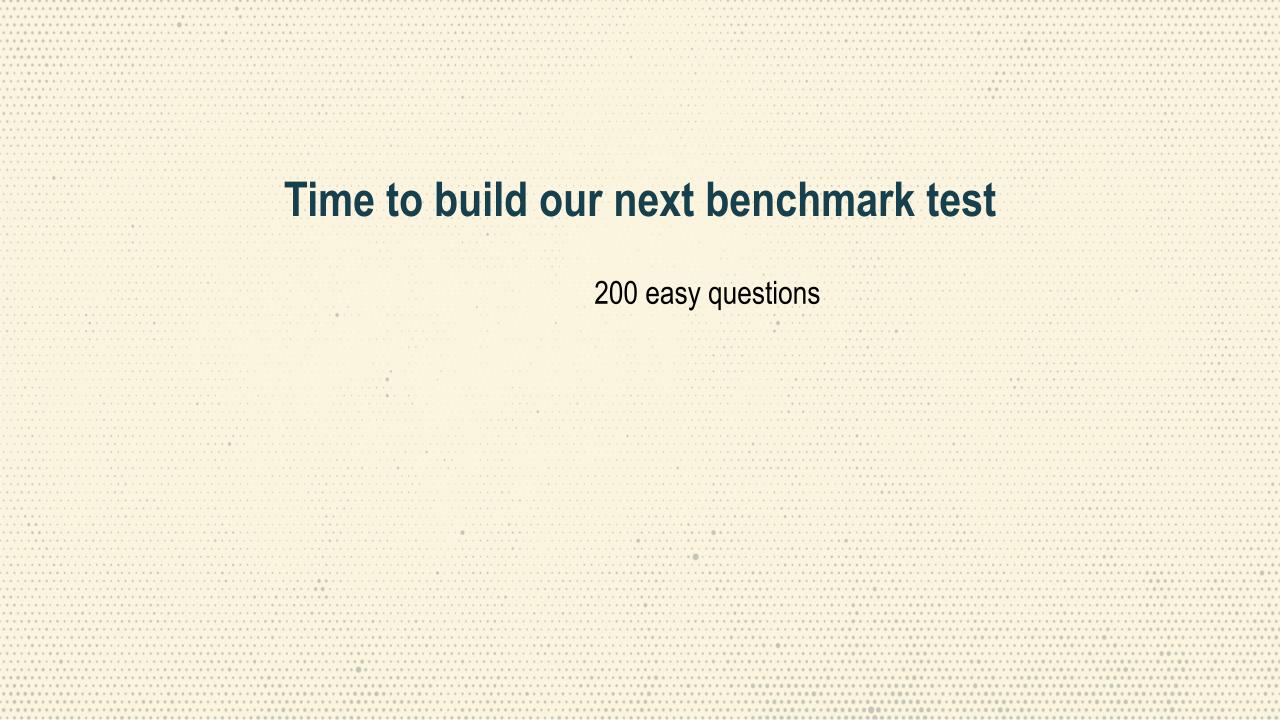
Sample questions from users

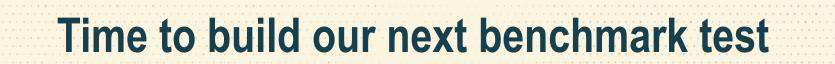
- Temporary partially disabled after layoff
- What if the check was mailed to the wrong address?
- What's the SOL for a cumulative trauma claim



Let's have the Al interpret the question before we try to match the content!







200 easy questions

200 medium questions

200 easy questions

200 medium questions

200 hard/expert questions

200 easy questions

200 medium questions

200 hard/expert questions

600 total questions

200 easy questions

200 medium questions

200 hard/expert questions

600 total questions

Answered by our top content expert

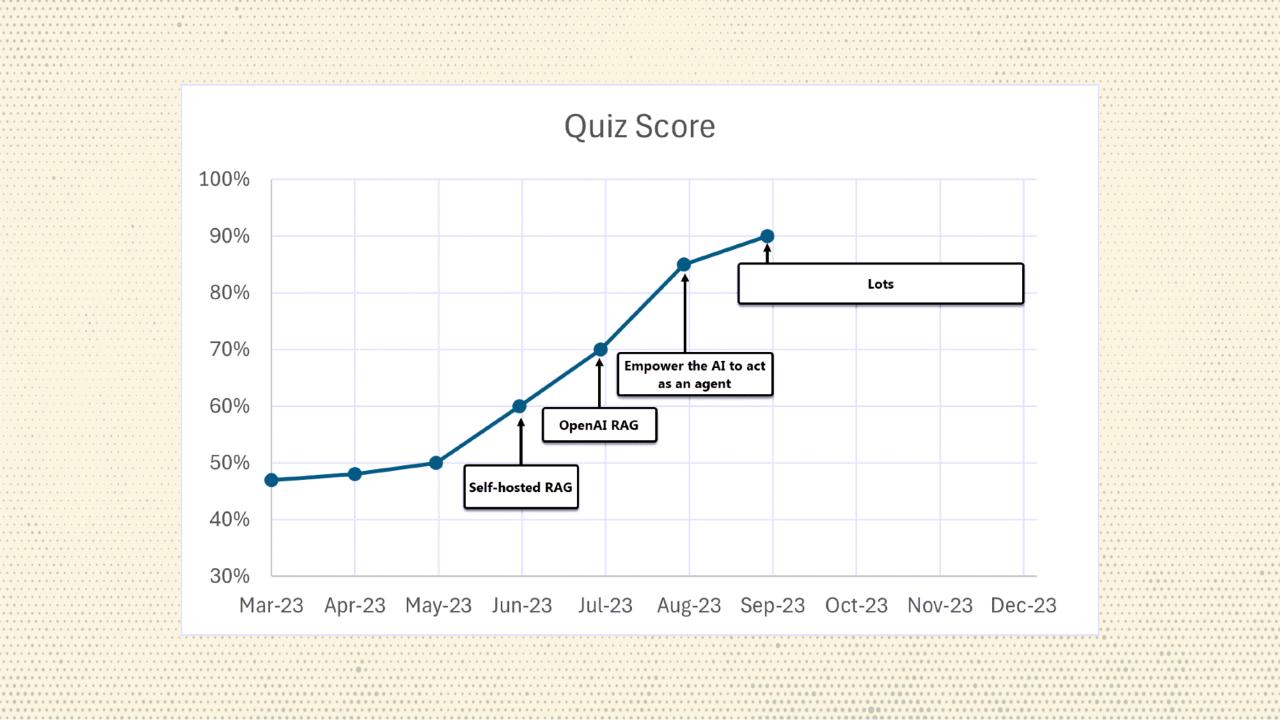
• Make a change to the model

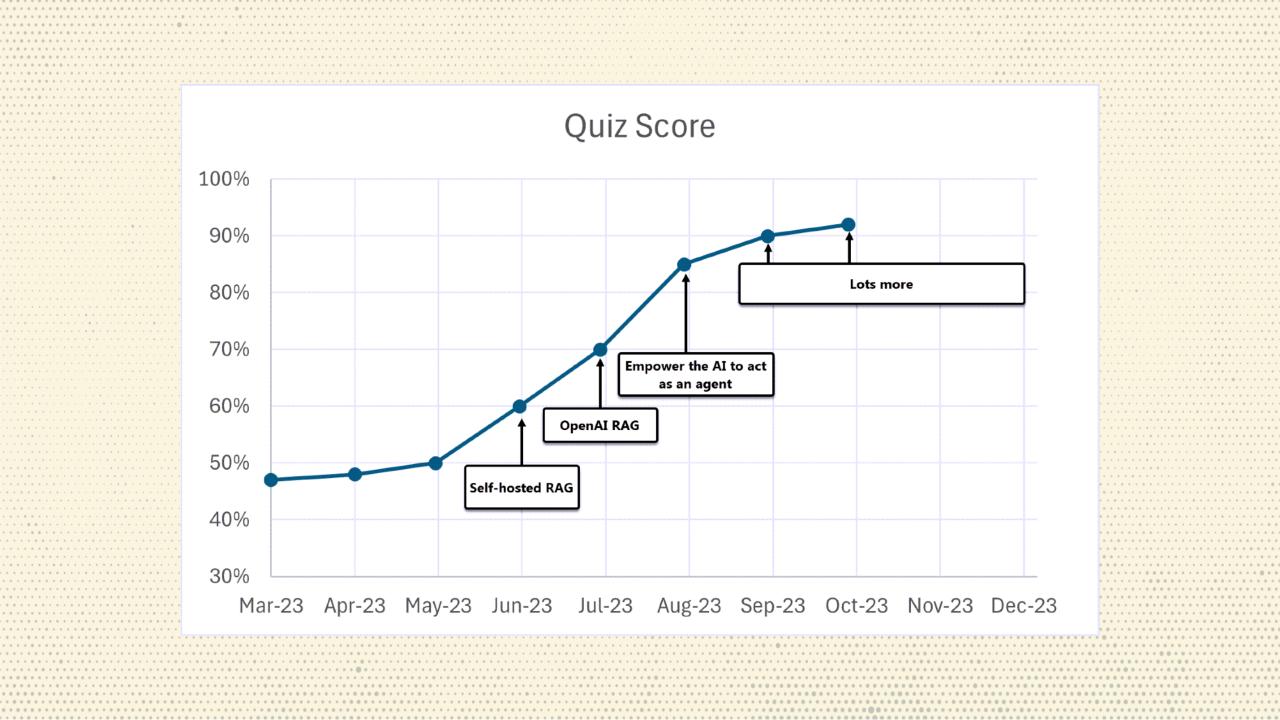
- Make a change to the model
- Have it answer the 600 user questions

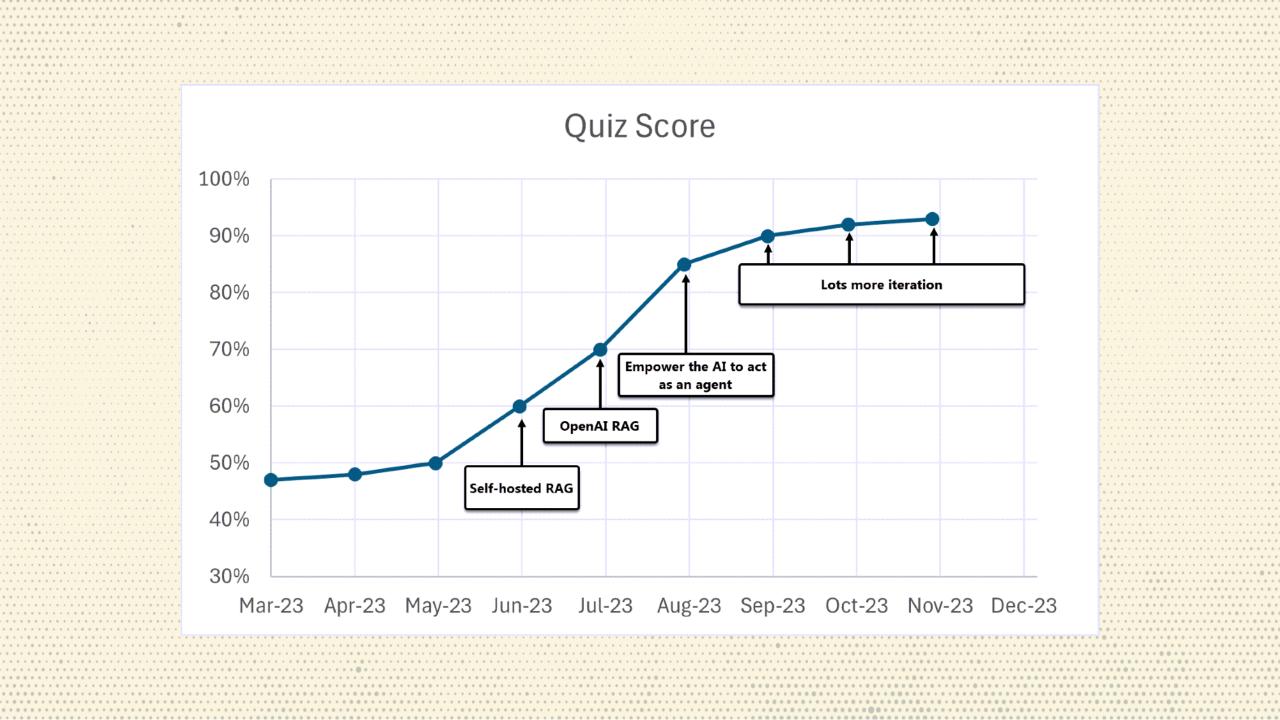
- Make a change to the model
- Have it answer the 600 user questions
- Have the LLM compare each answer given by the model to the expert's answer and assign a score based on similarity

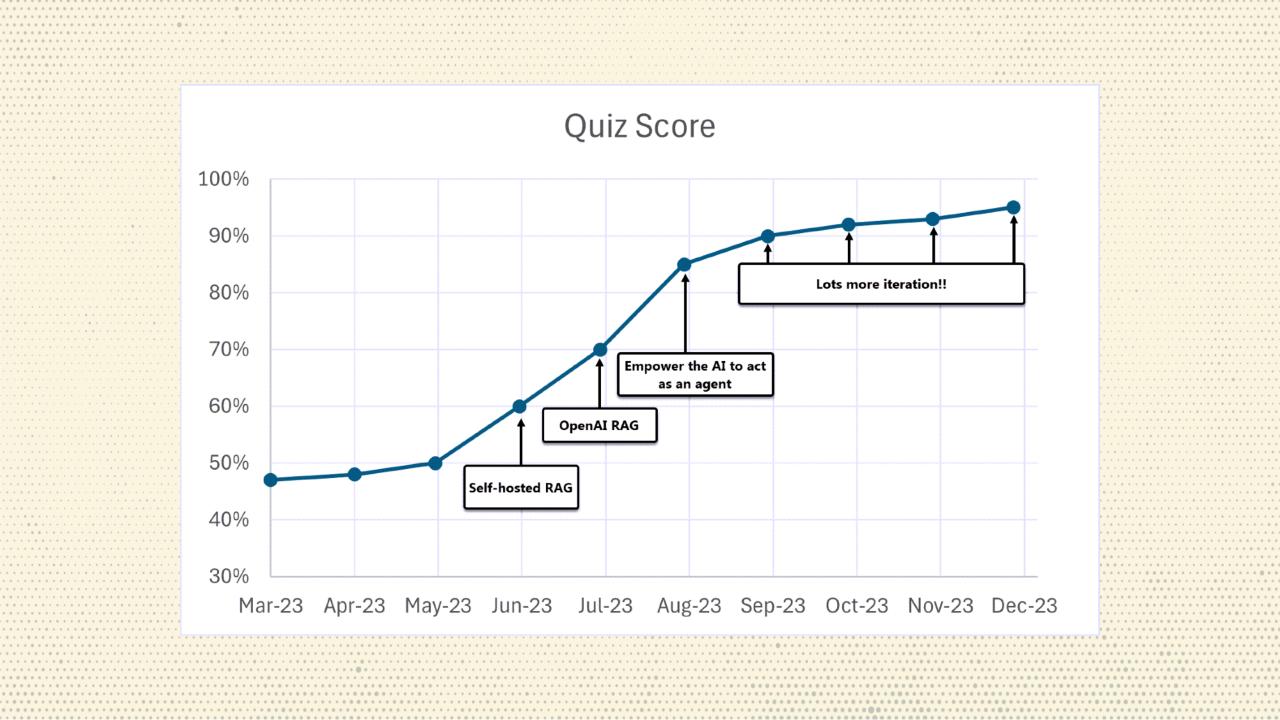
- Make a change to the model
- Have it answer the 600 user questions
- Have the LLM compare each answer given by the model to the expert's answer and assign a score based on similarity
 - Derive a total score for the entire benchmark

- Make a change to the model
- Have it answer the 600 user questions
- Have the LLM compare each answer given by the model to the expert's answer and assign a score based on similarity
- Derive a total score for the entire benchmark
- Run the assessment for every iteration











Language model selection



- Language model selection
- Embeddings model optimization



- Language model selection
- Embeddings model optimization
- Keyword search integration



- Language model selection
- Embeddings model optimization
- Keyword search integration
- Prompt engineering



- Language model selection
- Embeddings model optimization
- Keyword search integration
- Prompt engineering
- Evaluation and feedback loops



- Language model selection
- Embeddings model optimization
- Keyword search integration
- Prompt engineering
- Evaluation and feedback loops
- Knowledge base management

How has it been received by our users?





• Find a strong developer



- Find a strong developer
- You can accomplish a lot with a small team



- Find a strong developer
- You can accomplish a lot with a small team
- Set a clear target



- Find a strong developer
- You can accomplish a lot with a small team
- Set a clear target



- Find a strong developer
- You can accomplish a lot with a small team
- Set a clear target
- Develop tests to measure your progress



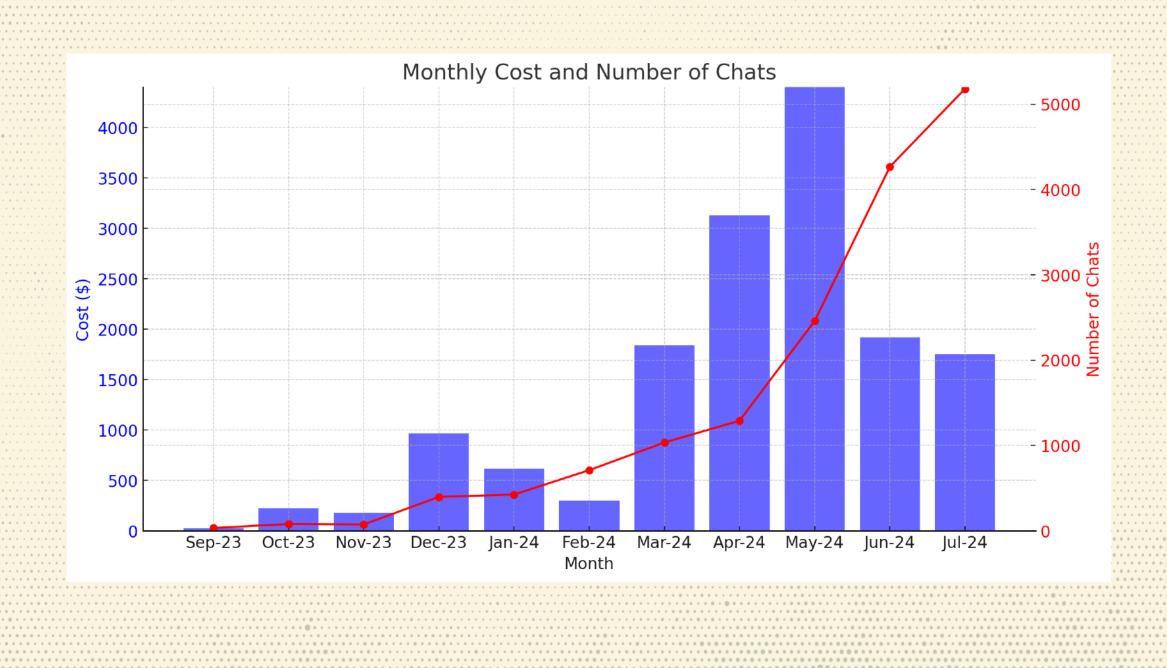
- Find a strong developer
- You can accomplish a lot with a small team
- Set a clear target
- Develop tests to measure your progress
- Closed models are leading the way



- Find a strong developer
- You can accomplish a lot with a small team
- Set a clear target
- Develop tests to measure your progress



- Closed models are leading the way
- Don't be daunted by compute costs



There are no experts, only pioneers.

Make it happen!



Presenter Michael Bell

From Treatise to Tech: The Development of ChatSOC, an AI Research Assistant

Michaelbell@sullivanoncomp.com

