



Unfortunately I do not have enough context to determine who specifically founded the company Zilliz. Zilliz appears to be a blockchain company focused on data infrastructure, but details on the founders are not readily available online. I would need more background information or context to narrow down who the specific founders or co-founders of Zilliz are. Please provide some additional details that could help me identify who founded this company.







What does the company Zilliz do?



Zilliz is a software company that develops solutions for Al infrastructure and machine learning operations (MLOps). Some key facts about Zilliz:

- · Founded in 2019 and headquartered in Silicon Valley.
- Their main product is Milvus, an open source vector similarity search engine for AI
 applications. Milvus enables efficient retrieval and indexing of large-scale vector
 datasets.
- Zilliz also offers enterprise support, services and software around Milvus to help companies operationalize AI. This includes Zilliz ML Hub for MLOps and Zilliz Managed Milvus for fully-managed Milvus.
- The company has raised over \$43 million in funding from investors including Hillhouse Capital, 5Y Capital and Prosperico Ventures.
- Zilliz promotes using Milvus and vector databases as a key component of the Al infrastructure stack, alongside GPUs, containers, orchestration software etc.
- Key use cases are search, recommendation and personalization in industries like ecommerce, fintech, travel and media. Customers include Snap, JD.com, iQiyi, Meituan and Xiaomi.
- Overall, Zilliz is a leading company providing vector search and AI infrastructure software to power AI applications, with a focus on production deployment and operations.



Zilliz was founded in 2019 by:

- Xiaowei Jiang Co-Founder & CEO. Previously led engineering teams at Google and ran big data platform teams at Baidu.
- Junyu Wang Co-Founder & Chief Architect. Formerly a senior research and development engineer at Baidu.
- Jiang Guo Chief Technology Officer. Previously worked as a research engineer at Baidu and a software engineer at Google.
- Lei Sun Chief Scientist. Formerly a senior researcher at Baidu focused on largescale machine learning.
- Jingren Zhou VP of Engineering. Previously led efforts on deep learning and big data analytics platforms at Baidu.

So the founders came from leadership and technical roles at major Chinese tech companies like Baidu and Google. The technical founders have extensive backgrounds in areas like search, big data and deep learning.



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- Jiang Guo Chief Technology Officer Baidu and a software
- Consider LLMs hallucinatory...
 unless proven otherwise!

practorms at Baidu.

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Copy Retry

Q

truera

This overlap is really murky

ML research optimizes models for

Generalization

And actively penalizes

Memorization

truera

Focus LLMs on 'general' tasks

Generalization

Memorization

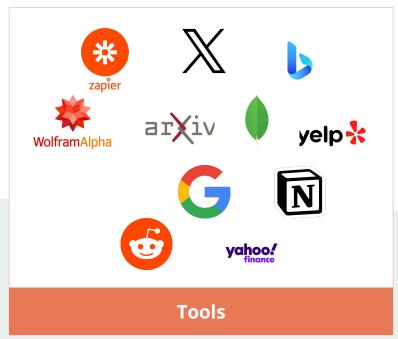
- ✓ Summarization
- ✓ Text Embedding
- ✓ Inference
- Planning

Leave memorization to something else



LLMs need a knowledge source

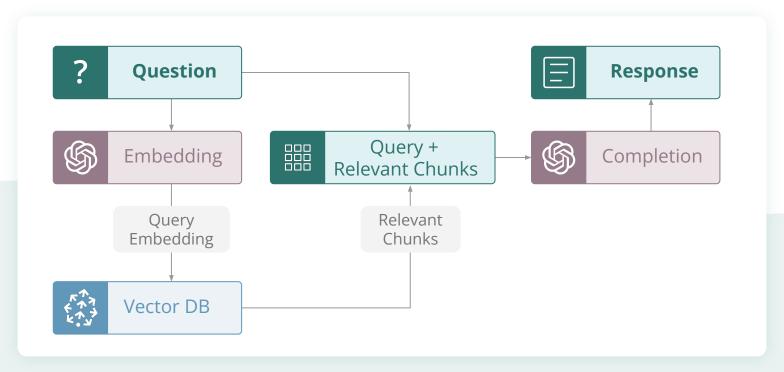






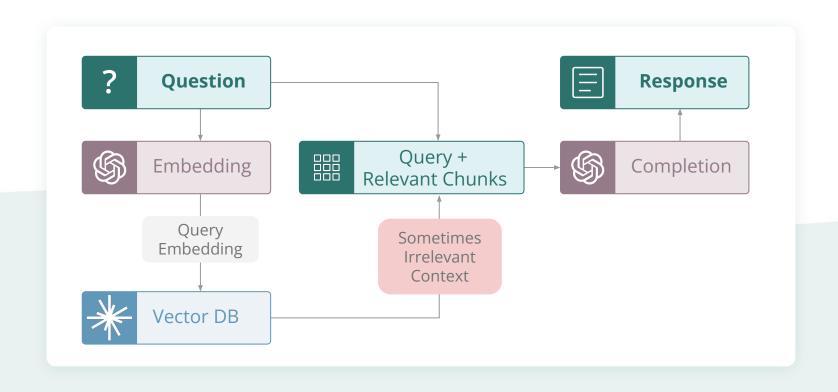
Enter Retrieval Augmented Generation (RAGs)

Example: Question Answering ChatBot



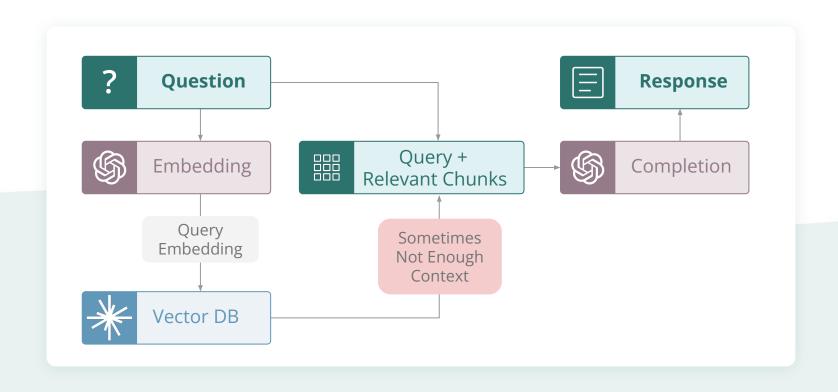


Enter Retrieval Augmented Generation (RAG)





But RAGs can hallucinate too





But RAGs can hallucinate too

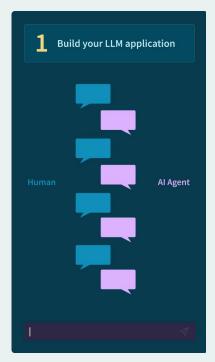
Response
Shayak is a computer scientist who obtained his PhD in Computer Science from Carnegie Mellon University and BTech in Computer Science from the Indian Institute of Technology, Delhi. He has been building systems and leading research to make machine learning and big data systems more explainable, privacy compliant, and fair for the past 10 years. He is also a member of the Bank of England's AI Public-Private Forum and the OECD Global Partnership on AI.



TruLens: Track and Evaluate LLM Experiments



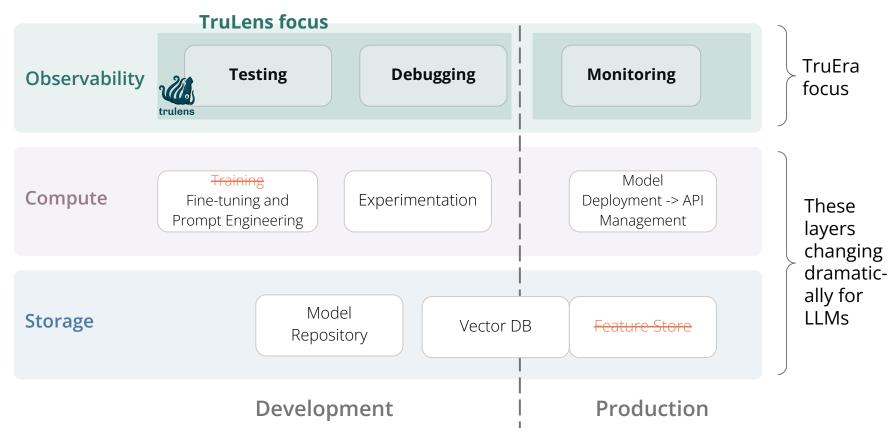
github.com/truera/trulens







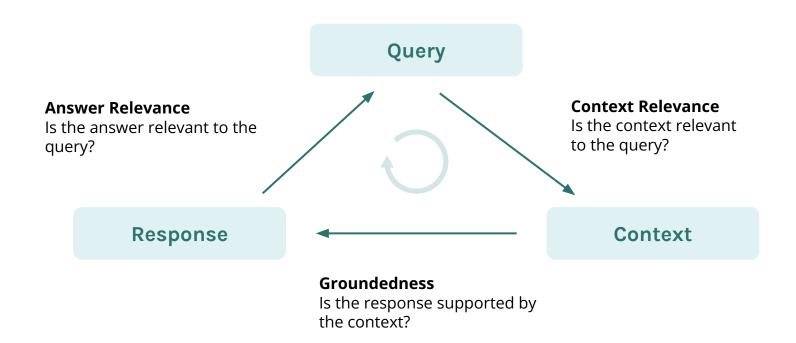
The LLMOps Stack is evolving





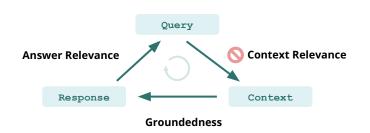
Testing RAGs for hallucinations

The RAG Triad





Retrieval failure





| | question | statement | result | reason |
|---|---------------------------------------------|------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 | What's the best national park near Honolulu | Honolulu (; Hawaiian: [honoˈlulu]) is the capital and most populous city of the U.S. sta | 0.4 | Supporting Evidence: The statement provides extensive information about Honolulu, |
| 1 | What's the best national park near Honolulu | == Geography == According to the United States Census Bureau, the Urban Honolulu | 0.4 | Supporting Evidence: The statement provides information about the geography and |
| 2 | What's the best national park near Honolulu | The Urban Honolulu Metropolitan Statistical Area had 1,016,508 residents in 2020. Wi | 0.2 | Supporting Evidence: The statement provides information about the population of Honolulu, its climate, natural scenery, and popularity as a tourist destination. However, it does not specifically mention any national parks near Honolulu. Score: 2 |
| | | | | |

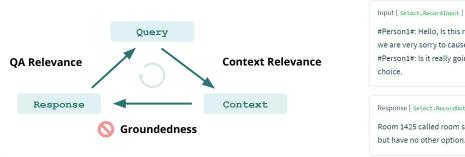




Lack of groundedness

Selected LLM Application: Summarize_v1

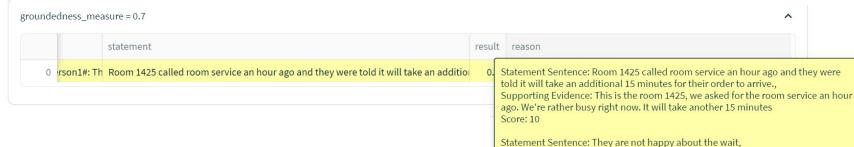
Selected Record ID: record hash b63e7be3dac4d43a3d79178e22710b4c



#Person1#: Hello, Is this room service? #Person2#: Yes, May I help you? #Person1#: This is the room 1425, we asked for the room service an hour ago. #Person1#: This is the room 1425, we asked for the room service? we are very sorry to cause you a lot of inconvenience. #Person1#: What's the matter? #Person2#: We're rather busy right now. It will take another 15minute #Person1#: Is it really going to take that long, will you rush the order? #Person2#: I'm afraid it will take 15 minutes at most. #Person1#: ha, well, we have no

Response [Select.RecordOutput]

Room 1425 called room service an hour ago and they were told it will take an additional 15 minutes for their order to arrive. They are not happy about the but have no other option.



Supporting Evidence: NOTHING FOUND Score: 1

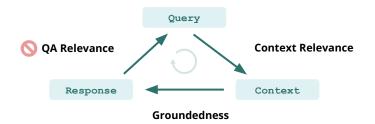
Statement Sentence: but have no other option., Supporting Evidence: ha, well, we have no choice. Score: 10

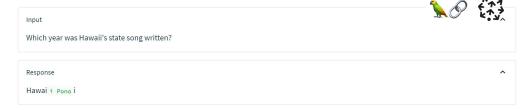
MLM Eval and LLM Eval



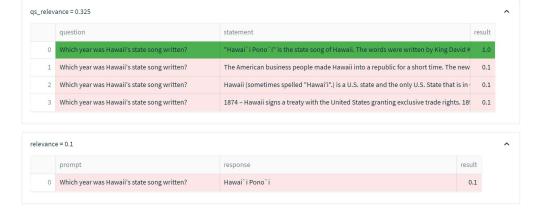
Answering the wrong question







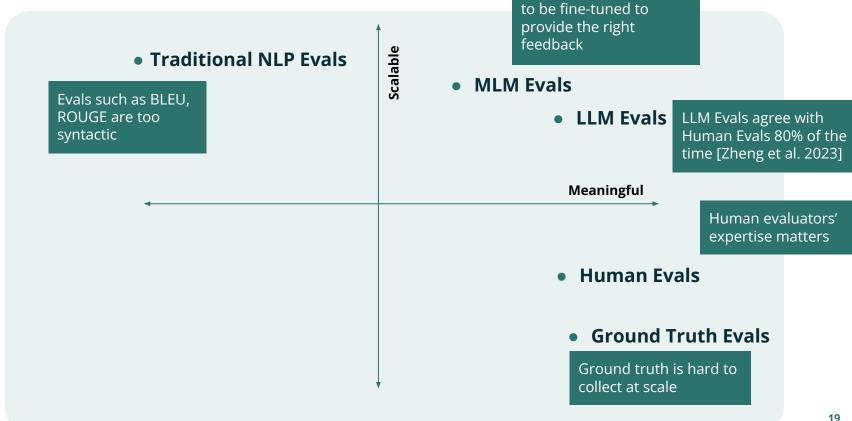
Feedback







Choosing the right evals in TruLens

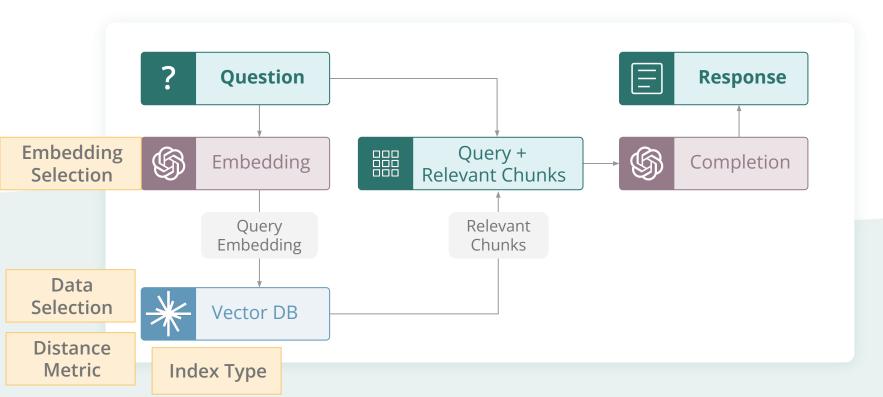


MLMs (e.g. BERT) need



Huge Configuration Space for RAGs

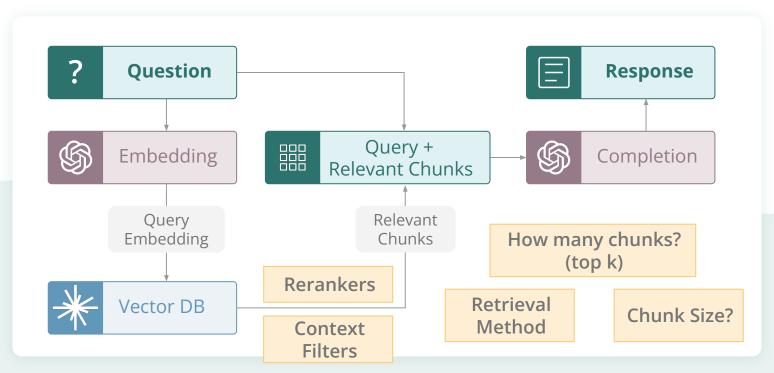
Vector DB Creation





Huge Configuration Space for RAGs

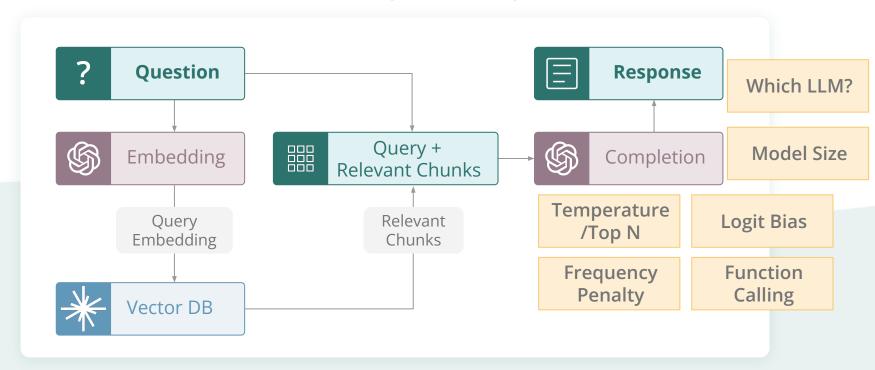
In the Retrieval Step





Huge Configuration Space for RAGs

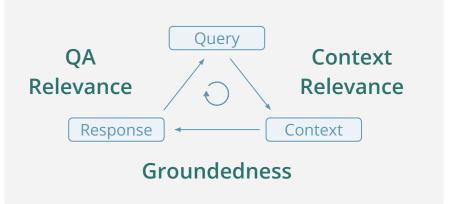
In the completion step





Evaluate LLM apps with TruLens feedback functions

A feedback function provides a score after reviewing an LLM app's inputs, outputs, intermediate results, and metadata.



Additional Examples

- Summarization quality
- Jailbreaks
- Prompt sentiment
- Embedding distance
- PII Detection
- Language mismatch
- Toxicity
- Stereotyping
- Custom evaluations
- ...

Run feedback functions with any model















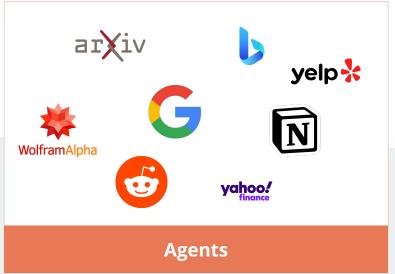




Run evaluations on any LLM app stack









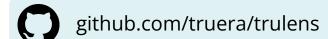
Use evals to optimize your RAG setup





Try Open Source TruLens





Give us a star, request a feature, contribute

Verify that every claim in the LLM response is grounded in the knowledge corpus

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Example:

Here are two facts about Tesla Model X:

- (1) Model X has falcon-wing doors
- (2) Model X is the best selling car of 2022

Step 1: Break the response into claims

Verify that every claim in the LLM response is grounded in the knowledge corpus

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Step 2: Corroborate each claim against knowledge corpus

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(2) Model X is the best selling car of 2022 X-

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https://cleantechnica.com/2023/03/09/tesla-is-2-best-selling-auto-brand-in-california/

Tesla Is #2 Best Selling Auto Brand In California - CleanTechnica

Looking at the top selling automobiles of any class or powertrain, it was the Tesla Model Y at #1 and the Tesla Model 3 at #2. That's phenomenal