LangChain: Q&A

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Agenda

- ChatGpt
 - O What is it?
 - Limitations
- LangChain
 - What is it?
 - Use cases
- Q&A: High level idea
 - Ingestion of data
 - Querying of data
- OurGPT
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 - o Outputs
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- Demo

ChatGPT: A Conversational AI Agent

- ChatGPT is a large language model by OpenAI that generates human-like responses to natural language inputs
- It can understand and respond to a wide range of topics and has been trained on diverse text data.
- ChatGPT has been used in chatbots, virtual assistant, and customer support systems.

ChatGPT: Limitations

User: How far back does your database go?

ChatGPT: My knowledge cutoff is September 2021. I was trained on a large corpus of text data up until that time, so my responses are based on information available up until that point. However, I can still provide general information and answer questions based on common knowledge or general understanding beyond that date.

ChatGPT: Limitations

User: Tell me about LangChain.

ChatGPT: I'm sorry, but I'm not familiar with "Langchain." Could you please provide more context or clarify your question? It's possible that you may have misspelled or mistyped the name, and with more information, I may be able to provide a more helpful response.

ChatGPT: Limitations



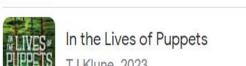
ChatGPT: Unfortunately, there is no book called "Happy Place" written by Emily Henry. Emily Henry is the author of several books, including "Beach Read," "People We Meet on Vacation," "A Million Junes," and "When the Sky Fell on Splendor." Perhaps you were thinking of a different book or author? If you have any other questions or information, please let me know and I'll do my best to assist you.

SIKE!

Books / April 2023 / Newest



Romantic Comedy (Rees... Curtis Sittenfeld, 2023









The Wager: A Tale of Ship... David Grann, 2023



The House Is on Fire Rachel Beanland, 2023





Happy Place Emily Henry, 2023



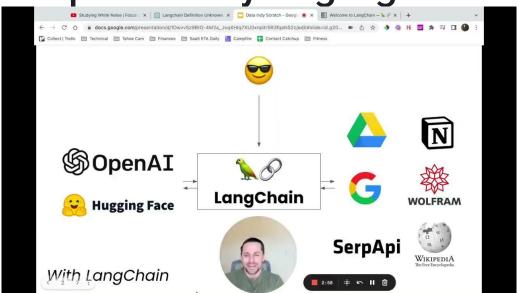
Camp Zero: A Novel Michelle Min Sterling, 2023



Homecoming



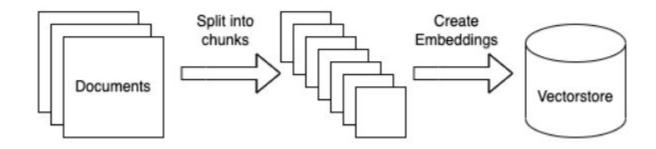
LangChain: A framework for developing applications powered by language models.



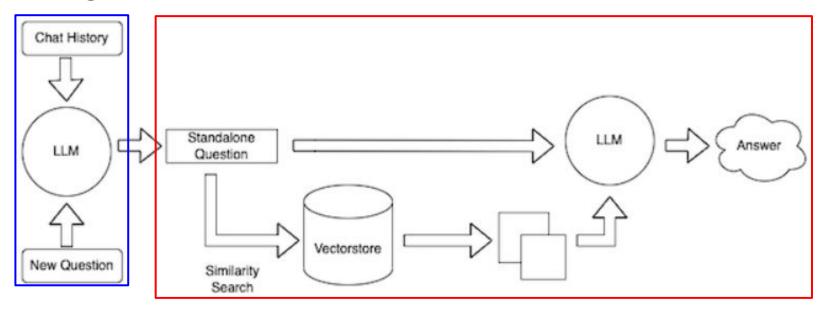
LangChain: Use cases

- Personal Assistants
- Autonomous Agents
- Agent Simulations
- Q&A over Docs
- Chatbots
- Etc

LangChain: Q&A over documents



LangChain: Q&A over documents



https://blog.langchain.dev/tutorial-chatgpt-over-your-data/

OurGPT: Setup

- Documents: Romeo & Juliet, The Great Gatsby (Project Gutenberg)
- Embeddings: OpenAIEmbeddings
- Vectorstore: pinecone
- LLM: OpenAl

Query: How did Juliet die?

OurGPT: Juliet died after taking a sleeping potion given to her by Friar Lawrence in order to avoid marrying Paris.

Query: Who is Gatsby?

OurGPT: Gatsby is a wealthy man who is suspected of being a bootlegger and a relative of Von Hindenburg. He is also a friend of the late Dan Cody.

Query: Can you please summarize Romeo and Juliet?

OurGPT: Romeo and Juliet is a tragedy by William Shakespeare about two young lovers from feuding families, Romeo Montague and Juliet Capulet, who fall in love and secretly marry. Despite the obstacles in their way, they are determined to be together, but their love is ultimately doomed. The play ends with both Romeo and Juliet taking their own lives.

Query: Can you please summarize The Great Gatsby?

OurGPT: No, I don't know enough about The Great Gatsby to summarize it.

OurGPT: Futurework

- Include the use of "memory" to take into account chat history.
- Prompt Engineering
 - Reply in different flavours
 - Reply in different languages