LLM Apps
Basic LangChain in 15 minutes

Goals

- Simplify LangChain operations as much as possible.

- Demystify the complexity conveyed by LangChain's documentation.

Basic LangChain Operations

- Connect to a Foundation LLM.
- Wrap the user prompt in a prompt template.
- Combine multiple instructions into a chain.
- Create an agent.
- Add memory to the LLM.

Connect to a Foundation LLM

- Initialize an instance of the Foundation LLM
- Pass it a question
- Get the answer

Wrap the user prompt with a prompt template

- Create the prompt template with a variable to include the user's prompt.
- Get the user's prompt.
- Combine the user's prompt with the prompt template.
- Pass the combined prompt to the LLM.
- Get the answer.

Combine multiple instructions into a chain

- Initialize an instance of the Foundation LLM
- Create the prompt template with a variable to include the user's prompt.
- Get the user's prompt.
- Combine the user's prompt with the prompt template.
- Create a chain combining the LLM and the prompt template.
- Run the chain.

Create an agent

- Load external tools.
- Initialize an agent over a Foundation LLM.
- Set a goal for the agent and let it decide which tools to use to achieve it.

Add memory to the LLM

- Use the ConversationChain to record the conversation in its memory.