

Introduction to extending prompts with LangChain and Vector Databases using private data Resource Guide

Introduction to LangChain

What is LangChain?

[hwchase17/langchain: ⚡ Building applications with LLMs through composability ⚡ \(github.com\)](#)

[Quickstart | 📖 🔗 Langchain](#)

<https://medium.com/technology-hits/overview-of-langchain-9f6362707cd0>

[Getting Started with LangChain: A Beginner's Guide to Building LLM-Powered Applications | by Leonie Monigatti | Apr, 2023 | Towards Data Science](#)

[LangChain 101 Videos - Greg Kamradt](#)

[langchain-tutorials/LangChain Cookbook Part 1 - Fundamentals.ipynb at main · gkamradt/langchain-tutorials \(github.com\)](#)

[langchain-tutorials/LangChain Cookbook Part 2 - Use Cases.ipynb at main · gkamradt/langchain-tutorials \(github.com\)](#)

Question and Answering over Documents

[QA and Chat over Documents | 📖 🔗 Langchain](#)

[openai-cookbook/examples/Question answering using embeddings.ipynb at main · openai/openai-cookbook \(github.com\)](#)

LangChain Modules

Model I/O Modules

[Model I/O | 📖 🔗 Langchain](#)

[Prompt templates | 📖 🔗 Langchain](#)

[Language models | 📖 🔗 Langchain](#)

[Output parsers | 📖 🔗 Langchain](#)

Data Connection Modules

[Data connection | 📖 🔗 Langchain](#)

[Document loaders | 📖 🔗 Langchain](#)

[Document transformers | 📖 🔗 Langchain](#)

[johnalexander - https://github.com/JRAlexander/resource-guides/](#)

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[Text embedding models](#) |   [Langchain](#)

[Vector stores](#) |   [Langchain](#)

[Retrievers](#) |   [Langchain](#)

Chain Modules

[Chains](#) |   [Langchain](#)

[Foundational](#) |   [Langchain](#)

[Documents](#) |   [Langchain](#)

[Popular](#) |   [Langchain](#)

[Additional](#) |   [Langchain](#)

[Retrieval QA](#) |   [Langchain](#)

Memory Modules

[Memory](#) |   [Langchain](#)

Agent Modules

[Agents](#) |   [Langchain](#)

Callback Modules

[Callbacks](#) |   [Langchain](#)

Evaluation Modules

[Evaluation](#) |   [Langchain](#)

LangSmith

[LangSmith Walkthrough](#) |   [Langchain](#)

Deployment Guide

[Deployment](#) |   [Langchain](#)

Principles of Prompt Engineering

[Prompt Engineering Guide \(promptingguide.ai\)](#)

[XavKearney/chatgpt-guide: A guide for getting the most out of ChatGPT as a non-technical user. \(github.com\)](#)

<https://learnprompting.org/>

[johnalexander](#) - <https://github.com/JRAlexander/resource-guides/>

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Understanding AI Learning Strategies

[Mastering ChatGPT Prompts: Harnessing Zero, One, and Few-Shot Learning, Fine-Tuning, and Embeddings for Enhanced GPT Performance : r/aipromptprogramming \(reddit.com\)](#)

Zero-Shot

[Large Language Models are Zero-Shot Reasoners](#)

Few-Shot

[\[2202.12837\] Rethinking the Role of Demonstrations: What Makes In-Context Learning Work? \(arxiv.org\)](#)

Chain-of-Thought

[\[2201.11903\] Chain-of-Thought Prompting Elicits Reasoning in Large Language Models \(arxiv.org\)](#)

Self-Consistency

[\[2203.11171\] Self-Consistency Improves Chain of Thought Reasoning in Language Models \(arxiv.org\)](#)

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[\[2211.01910\] Large Language Models Are Human-Level Prompt Engineers \(arxiv.org\)](#)

LLM Risks

[Exploring the Limitations and Challenges of Large Language Models in IT - DEV Community](#)

[Europe: ChatGPT's Use and Misuse in the Workplace \(shrm.org\)](#)

[Who Ultimately Owns Content Generated By ChatGPT And Other AI Platforms? \(forbes.com\)](#)

[Understanding Prompt Injection Attacks: What They Are and How to Protect Against Them - Prompts Ninja](#)

[Prompt injection: What's the worst that can happen? \(simonwillison.net\)](#)

[Delimiters won't save you from prompt injection \(simonwillison.net\)](#)

Bootcamps / Classes

[ChatGPT Prompt Engineering for Developers - DeepLearning.AI](#)

[Introducing LLM University — Your Go-To Learning Resource for NLP 🎓 \(cohere.com\)](#)

[Prompt Engineering for ChatGPT | Coursera](#)

[Full Stack LLM Bootcamp](#)

Introduction to Vector Embedding

[Introducing text and code embeddings \(openai.com\)](#)

[Embeddings - OpenAI API](#)

[johnalexander - https://github.com/JRAlexander/resource-guides/](#)

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[Transformer Embeddings and Tokenization \(vaclavkosar.com\)](https://vaclavkosar.com)

[Vector Embeddings for Developers: The Basics | Pinecone](#)

[Embedding projector - visualization of high-dimensional data \(tensorflow.org\)](https://tensorflow.org)

[openai-cookbook/examples/Customizing_embeddings.ipynb at main · openai/openai-cookbook \(github.com\)](#)

Introduction to Vector Databases

[openai-cookbook/examples/vector_databases/README.md at main · openai/openai-cookbook \(github.com\)](#)

[openai-cookbook/examples/vector_databases/chroma/Using_Chroma_for_embeddings_search.ipynb at main · openai/openai-cookbook \(github.com\)](#)

[openai-cookbook/examples/vector_databases/pinecone/README.md at main · openai/openai-cookbook \(github.com\)](#)

Retrieval-Augmented Generation: Putting it all Together

[Emerging Architectures for LLM Applications | Andreessen Horowitz \(a16z.com\)](#)

[Grounding LLMs - Microsoft Community Hub](#)

[Retrieval Augmented Generation \(RAG\) | Prompt Engineering Guide \(promptingguide.ai\)](#)

[Build a chatbot to query your documentation using Langchain and Azure OpenAI - Microsoft Community Hub](#)

Twitter Resources

[John Alexander \(@JohnAlexander\) / Twitter](#)

[Andrej Karpathy \(@karpathy\) / Twitter](#)

[elvis \(@omarsar0\) / Twitter](#)

<https://twitter.com/learnprompting>

[Riley Goodside \(@goodside\) / Twitter](#)

[Yann LeCun \(@ylecun\) / Twitter](#)

[Sebastian Raschka \(@rasbt\) / Twitter](#)

[Eugene Yan \(@eugeneyan\) / Twitter](#)

[johnalexander](#) - <https://github.com/JRAlexander/resource-guides/>

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[langchain \(@LangChainAI\) / Twitter](#)

[Harrison Chase \(@hwchase17\) / Twitter](#)

[Ethan Mollick \(@emollick\) / Twitter](#)

[Eyisha Zyer | AI Insider 💡 \(@eyishazyer\) / Twitter](#)

[Simon Willison \(@simonw\) / Twitter](#)

[OpenAI \(@OpenAI\) / Twitter](#)

[Hugging Face \(@huggingface\) / Twitter](#)

[Tobias Zwingmann \(@ztobi\) / Twitter](#)

[mitko \(@iotcoi\) / Twitter](#)