



Austin LangChain Users Group
August Meeting - 6:15 CDT Start



August Meeting

Austin LangChain Users Group



Github

CodeGen
Python tool Calling
Force-Quant



meet.aimug.org

Welcome - Austin LangChain

- Local Austin LangChain User Group
 - Discord - <https://discord.gg/fjQfpwcsZX>
 - Github - https://github.com/colinmcnamara/austin_langchain
 - Meetup - <https://www.meetup.com/austin-lanchain-ai-group/>
 - Twitter - [@AustinLangChain](https://twitter.com/@AustinLangChain)
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- **Monthly Showcases & Mixer**
- **Monthly Hacky Hours**
- **Office Hours** 2PM CDT Office Hours
- Low stress, learning and sharing
- Connect with other early adopters
- Learn, Share, Grow
- CoC - **Be cool** to each other, no gross behavior



Log into Sessions @ meet.aimug.org



Austin LangChain - August meeting

0
DAYS
1
HRS
24
MIN
0
SEC

Welcome to the Austin LangChain Users Group!

Go here for Transcripts, Q&A, Links

https://event.meet.aimug.org/austin_langchain/austin-langchain-august-meeting



LangChain Overview

Colin McNamara

- **Home:** Austin, East Side
- **Work:** Managing Partner, Engineering & Finance
Always Cool Brands
- **Background:** Hyperscale Cloud Engineering & Operations
- **FOSS:** Linux, OpenStack, OpenDaylight, ...
- **Using LangChain:** Business operations
- **Socials:**
 - WWW <http://www.colinmcnamara.com>
 - Linkedin <https://www.linkedin.com/in/colinmcnamara/>
 - X(Twitter) [@colinmcnamara](https://twitter.com/@colinmcnamara)



LangChain (Upstream) Project

Blog - <https://blog.langchain.dev/>

Repo - <https://github.com/langchain-ai/langchain>

Founder - Harrison Chase



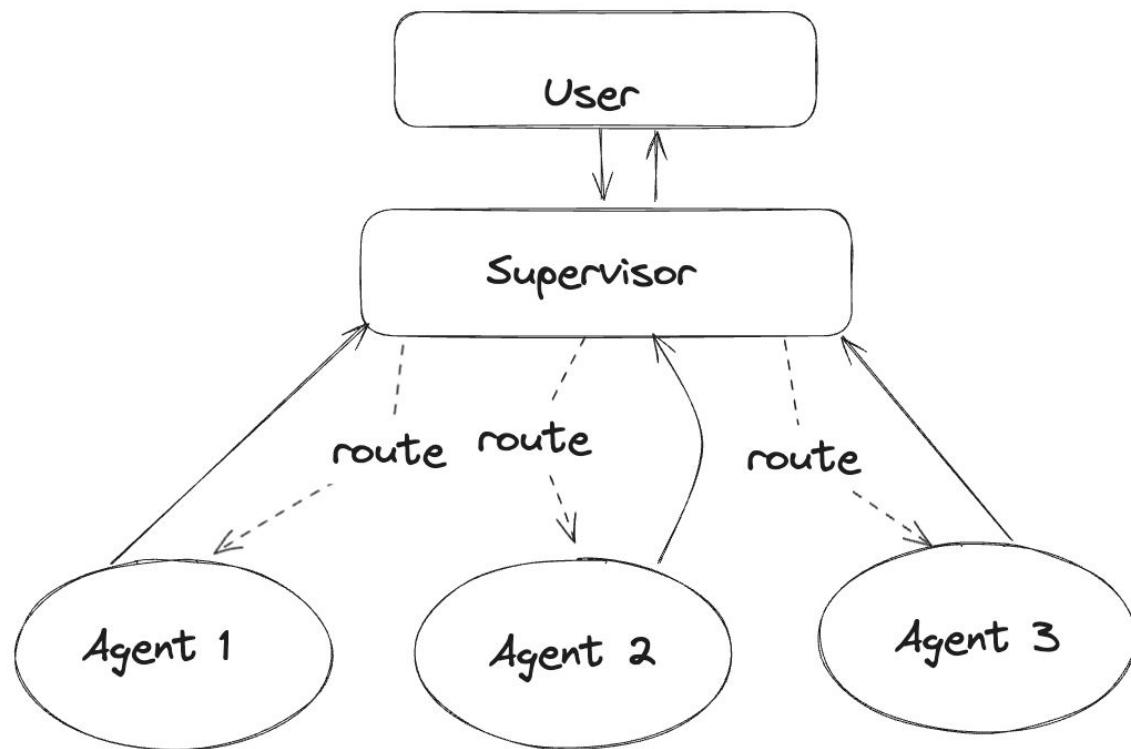
LangGraph Studio
Local IDE Dev Tool

LangSmith
Freemium Dev Tool

LangGraph Cloud
Hosted / K8s solution

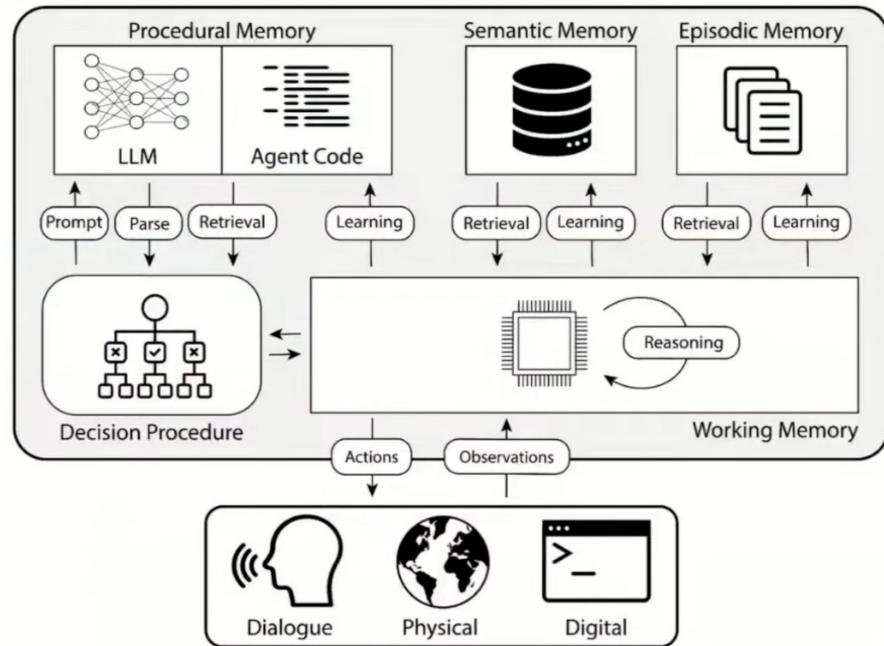
LangChain Python Library
Open Source (Free)

Basic LangGraph - User / Supervisor pattern

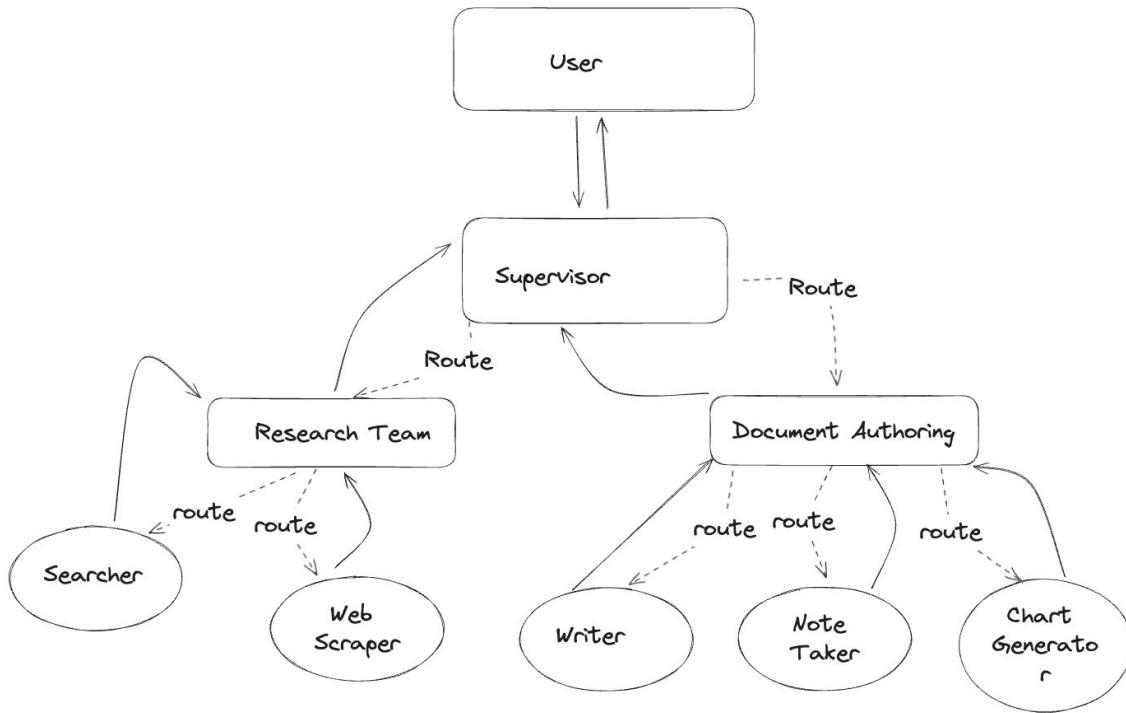


LangChain Agent Key Concepts

- Agents
 - Independent Entity
 - Has access to tools
 - Reasons, Acts (ReAct)
 - Combination of
 - LLM
 - Code
 - Memory
 - Tools



Hierarchical Teams



LangSmith

- Web interface for logging of AI applications
- Functional and Non-Functional information
- Performance & Query optimization
- Easily added to LangChain code
- Deploy LangGraph Code

The screenshot shows the LangSmith web interface. On the left, the 'Trace' sidebar displays a log entry for a 'research-assistant' run, which was successful and took 24.257 seconds. The main area is titled '/research-assistant' and contains sections for 'Run', 'Feedback', and 'Metadata'. In the 'Input' section, there is a text input field containing a question about finding great tacos in Austin's east side. Below it, a YAML input field is empty. The 'Output' section displays an AI-generated research report. The report starts with a header: '# Research Report: Ranking the Top 3 Taco Trucks, Trailers, or Restaurants in Austin's East Side'. It includes an introduction: 'Austin, Texas is renowned for its vibrant food scene, particularly its mouthwatering tacos. The city's east side is home to a plethora of taco trucks, trailers, and restaurants that offer a diverse range of flavors and culinary experiences. In this research report, we will explore the top three establishments in Austin's east side that are highly recommended for their exceptional tacos. We will consider the information provided in various sources to determine the best options for taco enthusiasts.' It also includes a methodology section: 'To compile this research report, we analyzed multiple sources that provide insights into the best taco trucks, trailers, and restaurants in Austin's east side. The sources include reputable websites such as Eater, Guide2ATX, Austin Eater, and The Infatuation. We carefully reviewed the information provided in each source to identify the top-rated establishments based on their popularity, customer reviews, and expert opinions. Our aim is to present an objective and comprehensive ranking of the top three taco trucks, trailers, or restaurants in Austin's east side.'

question: I'm looking for a great taco in Austin's east side. Create a research report ranking the top 3 trucks, trailers, or restaurants I should visit.

Research Report: Ranking the Top 3 Taco Trucks, Trailers, or Restaurants in Austin's East Side

Introduction

Austin, Texas is renowned for its vibrant food scene, particularly its mouthwatering tacos. The city's east side is home to a plethora of taco trucks, trailers, and restaurants that offer a diverse range of flavors and culinary experiences. In this research report, we will explore the top three establishments in Austin's east side that are highly recommended for their exceptional tacos. We will consider the information provided in various sources to determine the best options for taco enthusiasts.

Methodology

To compile this research report, we analyzed multiple sources that provide insights into the best taco trucks, trailers, and restaurants in Austin's east side. The sources include reputable websites such as Eater, Guide2ATX, Austin Eater, and The Infatuation. We carefully reviewed the information provided in each source to identify the top-rated establishments based on their popularity, customer reviews, and expert opinions. Our aim is to present an objective and comprehensive ranking of the top three taco trucks, trailers, or restaurants in Austin's east side.

Ranking the Top 3 Taco Trucks, Trailers, or Restaurants in Austin's East Side

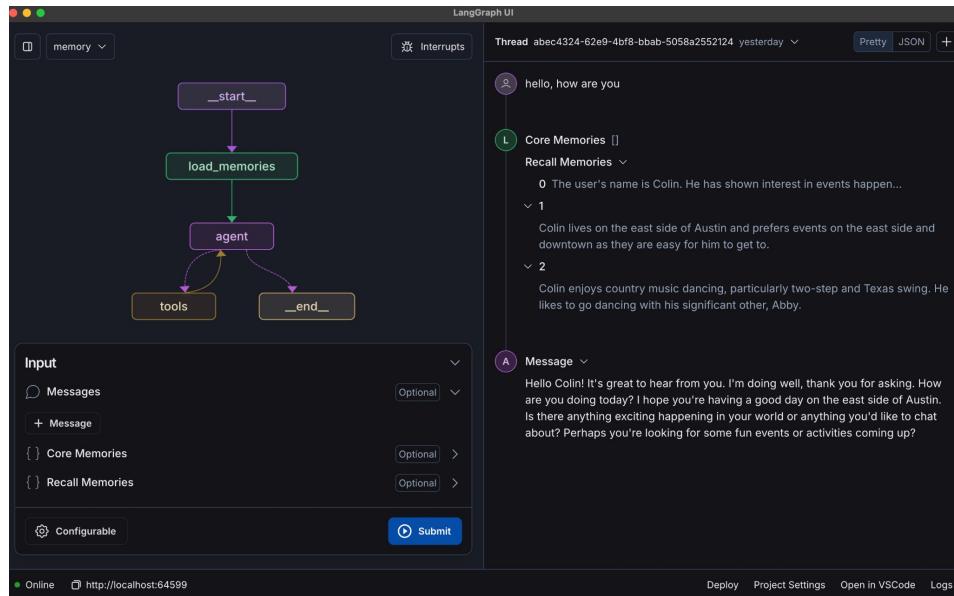
1. Las Trancas

Las Trancas is a highly recommended taco trailer located in Austin's east side. While the specific source, Austin Eater, does not mention Las Trancas as one of the best taco trucks in Austin, it does highlight Las Trancas as the top-rated taco trailer in the east side. Unfortunately, we could not find any additional information about Las Trancas from other sources. However, given its recognition as the best taco trailer in the area, it is worth visiting for its authentic and delicious tacos.

2. Suerte

LangGraph Studio

- Local IDE for AI Graph Development
- Easily launch template projects
- Leverages Docker
- One button click to code editor
- Interrupt functions for agent dev





LangChain Quickstart

Ricky Pirruccio 

Manufacturing Engineer
Applied Materials



Riccardo Pirruccio is a Manufacturing Engineer at Applied Materials, holding a Bachelor's in Mechanical Engineering from the University of Texas at Tyler. His expertise lies in developing manufacturing intelligence applications in the semiconductor supply chain sector.





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Agenda

- Welcome Message
- News & Announcements
- Talks and Labs!
 - 101 Quickstart
 - Showcase: CodeGen
 - Showcase: Tool Calling
 - Showcase: Force-Quant
 - Rooftop Mixer



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Thanks to our Supporters

Lynx Ventures - Venue Sponsor

Always Cool Brands - Beverages, Sessions Platform

Contributors - code, content, community



SUBMIT YOUR SHOWCASES FOR OUR NEXT MEETING!



VIDEO PRODUCTION



Austin Lang Chain Events

- **Office Hours** Tuesdays at 2pm on Discord - <https://discord.gg/fjQfpwcsZX>
- **Community Call** Thursdays at 2:00 -
<https://app.sessions.us/session/56b791ec-0676-45ee-9caf-cfd72b3faa32>
- **Hacky Hour** - 6pm Wed 8/21th Skinny's off track bar - east side
<https://www.meetup.com/austin-langchain-ai-group/events/302162630/?slug=austin-langchain-ai-group&eventId=301087611>
- **Showcases** - In person and hybrid September 11 @ ACC - 12th and West



SHOWCASES

AUSTIN, TX

See you next time - Hacky Hour @skinnys 8/21

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- **Monthly** in person meetings & workshops
- **Monthly** Hacky Hour
- **Tuesdays & Thursdays** @ 2 CDT Office Hours





Rooftop Mixer!