



# Gdrive your RAG

Austin LangChain Users Group

# Agenda

- Welcome Message
- News & Announcements
- Labs using Google Drive!
  - Gdrive + Rag Intro
  - MultiModal image interpretation
  - RAG with Gdrive loader in LangServe
  - Document Synthesis with PD



# Welcome - Austin LangChain

- Local Austin LangChain User Group
    - Discord - <https://discord.gg/fjQfpwcsZX>
    - Github - [https://github.com/colinmcnamara/austin\\_langchain](https://github.com/colinmcnamara/austin_langchain)
    - Meetup - <https://www.meetup.com/austin-lanchain-ai-group/>
    - Twitter - [@AustinLangChain](https://twitter.com/AustinLangChain)
    - Youtube - <https://www.youtube.com/@AustinLangChain>
  - Monthly in person meetings & workshops
  - Monthly virtual meetings
  - Low stress, learning and sharing
  - Connect with other early adopters
  - Learn, Share, Grow
- 
- CoC - **Be cool** to each other, no gross behavior



# Thanks to our Supporters

**Amini & Conant** - Meeting Space

**KeyChange** - Food & Beverage

**Always Cool Brands** - Sessions Platform

**Contributors** - code, content, community



# News and Announcements

- Langchain 0.1.4 released with DOC UPDATES!!!
- LangChain team has been DELIVERING on their youtube
- LangGraph released - <https://blog.langchain.dev/langgraph/>
- Austin LangChain in person 2/21/2024 - LangGraph! - <https://www.meetup.com/austin-langchain-ai-group/events/299060502/>





# Call for Papers

- Present your work!
- Learn together!
- Improve on an introduced concept!
- Post your idea on our discord!



Want to review our 101 meeting?

<https://www.youtube.com/watch?v=P3DGZvuSdeE>



# LangChain 101

Austin LangChain Users Group



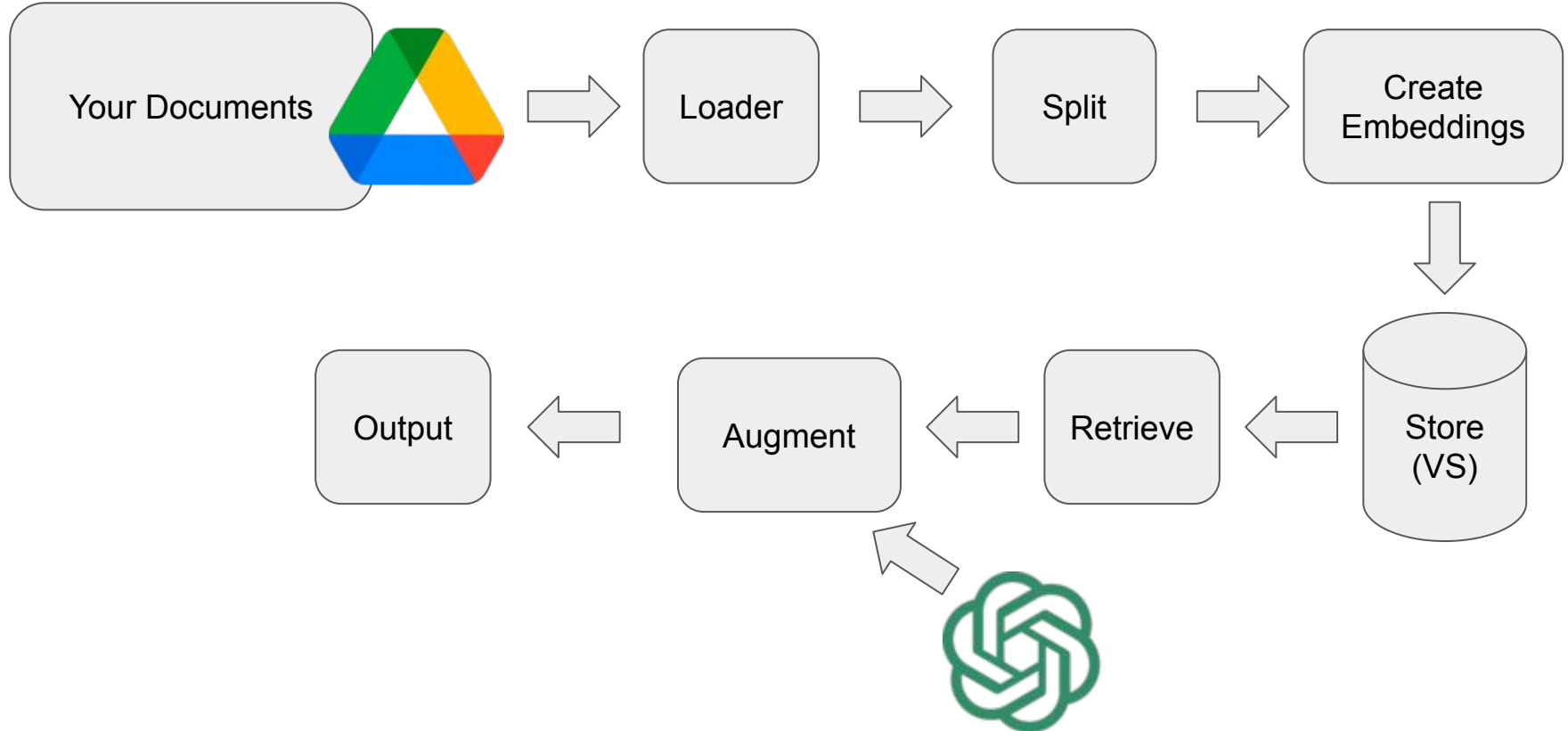
# Pimp your drive - Google Drive Labs

- Gdrive + Rag Intro
- Extend Rag-Chroma with Gdrive loader using LangServe
- MultiModal image interpretation with Ollama llava
- Document Synthesis with Pandas





# Gdrive + RAG overview



# Lab - RAG introduction

Colin McNamara

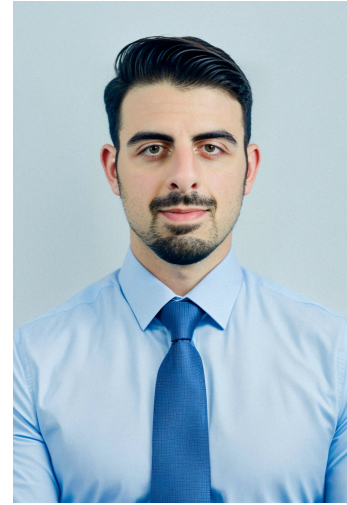
- Required: Google Colab
- Repo: [https://github.com/colinmcnamara/austin\\_langchain/](https://github.com/colinmcnamara/austin_langchain/)
- Notebook:  
[https://github.com/colinmcnamara/austin\\_langchain/blob/main/labs/LangChain\\_103/ALC\\_Turbocharge\\_your\\_RAG\\_quickstart.ipynb](https://github.com/colinmcnamara/austin_langchain/blob/main/labs/LangChain_103/ALC_Turbocharge_your_RAG_quickstart.ipynb)



# LAB - Rag Chroma with Google Drive loader

Ricky Pirruccio

- Required: Docker on your computer
- Repo: [https://github.com/colinmcnamara/austin\\_langchain/](https://github.com/colinmcnamara/austin_langchain/)
- Notebook:  
[https://github.com/colinmcnamara/austin\\_langchain/tree/main/labs/LangChain\\_103/rag\\_chroma\\_from\\_google\\_drive](https://github.com/colinmcnamara/austin_langchain/tree/main/labs/LangChain_103/rag_chroma_from_google_drive)
- PDF lab Guide -  
[https://github.com/colinmcnamara/austin\\_langchain/blob/0410563b208625f603979cc2644e8b3aea9a3e6e/resources/presentations/Austin%20LangChain%202-7-2024%20rag\\_chroma\\_from\\_google\\_drive%20lab.pdf](https://github.com/colinmcnamara/austin_langchain/blob/0410563b208625f603979cc2644e8b3aea9a3e6e/resources/presentations/Austin%20LangChain%202-7-2024%20rag_chroma_from_google_drive%20lab.pdf)



# Lab - Multi-Modal Image Description

Karim Lalani

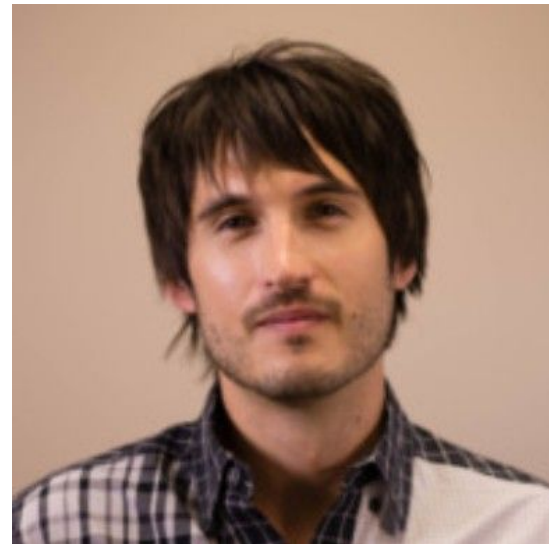
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# LAB - Document Synthesis using Pandas

Scott Askinosie M.S. Ph.D.

- Repo: [https://github.com/colinmcnamara/austin\\_langchain/](https://github.com/colinmcnamara/austin_langchain/)
- Notebook: [https://github.com/colinmcnamara/austin\\_langchain/blob/main/labs/LangChain\\_103/103-4-pandas\\_df\\_agent\\_langchain.ipynb](https://github.com/colinmcnamara/austin_langchain/blob/main/labs/LangChain_103/103-4-pandas_df_agent_langchain.ipynb)





# Thank you - Please Join

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