

# Agenda 06.04.2024

1. Finetuning UI: [LLaMA Board - a Hugging Face Space by hiyouga](#)  
Mini Hackathon 🧑‍🔬: [LLaMA-Factory-Tutorial.ipynb](#)  
LLM Debugging 🐛: [Langchain\\_chains\\_CAS\\_ETH\\_ML\\_06042024.ipynb](#)  
([OpenAI Platform](#)), [LangChain Expression Language \(LCEL\)](#)
2. [Chatbot Arena](#) 🗣️  
[Chatbot\\_Arena\\_CAS\\_ETH\\_ML\\_06042024](#)  
[Chatbot-arena-leaderboard](#), [Bradley Terry Model](#), [Paper](#)  
Questions 🗣️: let's come up with some safety dimensions in pairs  
Other: [Open LLM Leaderboard - a Hugging Face Space by HuggingFaceH](#),  
[LLM Safety Leaderboard - a Hugging Face Space by AI-Secure](#)  
[LLM-Perf Leaderboard - a Hugging Face Space by optimum](#)  
[Photographic memory leaderboard - a Hugging Face Space by lamini](#),  
[lamini/earnings-calls-qa · Datasets at Hugging Face](#), [Crescendo](#)  
- Coffee break
3. Hands-on 🧑‍🔬: Let's get a bit more familiar with Github and open source code  
[FinGPT/fingpt-finred · Datasets at Hugging Face](#), [FinGPT Github](#)  
[FinGPT\\_Benchmark\\_CAS\\_ETH\\_ML\\_06042024.ipynb](#)  
Papers: [\[2306.03736\] FinRED: A Dataset for Relation Extraction in Financial Domain](#),  
<https://arxiv.org/pdf/2310.04793.pdf>
4. Group assignment: let us try to design high level an evaluation framework in groups of 3  
for code generation 🧑‍🔬  
[OpenAI\\_Evals\\_CAS\\_ETH\\_ML\\_06042024.ipynb](#)  
[Eval dataset](#) , [evals/docs/build-eval.md at main · openai/evals · GitHub](#)

## Lunch break

1. [Blog post](#), [Fine-Tuning - LlamaIndex](#), [openai\\_fine\\_tuning](#)  
Hands-on 🧑‍🔬 [GPT4Distillation\\_CAS\\_ETH\\_ML\\_06042024.ipynb](#)  
UI: [OpenAI Platform](#), [Ragas](#)
2. Spot the RAG component below 👁️  
[RAG\\_Langchain\\_CAS\\_ETH\\_ML\\_06042024.ipynb](#)  
[Pricing](#) 📊 Quiz: shall we guess how much of the keys we have used so far?  
[Advanced\\_RAG\\_Eval\\_CAS\\_ETH\\_ML\\_06042024.ipynb](#)  
[Semi\\_Structured\\_RAG\\_CAS\\_ETH\\_ML\\_06042024.ipynb](#)  
[Unstructured](#) , [MultiVector Retriever | 🦉🔗 Langchain](#) , [LangChain Expression Language \(LCEL\)](#)  
- Coffee break ☕
3. Try out multimodal 🧑‍🔬: [Explore – Replicate](#)  
Could you come up with a model architecture for [LlaVa](#)? 🧑‍🔬 (Tool: [Greptile](#))  
Example answer: [Mermaid 1](#), [Mermaid 2](#), [clip v2](#)  
[Multi-Modal Applications - LlamaIndex](#) , [CLIP](#)  
[Llava-demo-4bit\\_CAS\\_ETH\\_ML\\_06042024.ipynb](#)

∞ Multi\_modal\_video\_RAG\_CAS\_ETH\_ML\_06042024.ipynb

4. What's next in AI 🦄: class discussion

∞ Baby\_AGI\_with\_agent\_CAS\_ETH\_ML\_06042024-2.ipynb

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