

LF AI & Data Foundation Technical Advisory Council (TAC) Meeting Minutes
February 22, 2024 (6:00am - 7:00am PST) via Zoom

TAC Meetings occur bi-weekly and are open to everyone in the community of LF AI & Data (LF AI)

Voting Notes

Under the original charter rules we need 50% attendance from the voting members (represented by premier members + graduate projects) to meet quorum. To ensure quorum is met more consistently, the TAC implemented the following attendance and voting eligibility rule effective Dec 1, 2022: Voting members of the TAC who miss 2 consecutive meetings will not be allowed to vote and must then attend 2 consecutive meetings before their voting privileges are reinstated.

With the new attendance and voting rule adopted by the TAC, the number of eligible voting members varies per week and is tracked [here](#). Please see meeting minutes on the [TAC Wiki](#) for details on attendance and voting eligibility on a per meeting basis.

Please see the [TAC Wiki](#) for more information about voting.
 Please see current voting members, including alternates, on the [TAC Wiki](#).

Voting details for today’s meeting: 7 voting members were eligible to vote and 5 voting members were in attendance as noted below. Quorum was met for this meeting.

TAC Voting Member	Voting Representative	2/22/2024
Quorum	Attendance/No. Eligible Votes	<i>5 out of 7 eligible were present</i>
4paradigm	Zhongyi Jerry Tan	
Amazon Web Services	Brian Granger	
	Mark Atwood	
ByteDance (TAC Chair)	Vini Jaiswal	Present
Ericsson	Rani Yadav-Ranjan	
Huawei	Howard (Huang Zhipeng)	
	Alternate: Charlotte (Xiaoman Hu)	
	Alternate: Leon (Hui Wang)	
IBM	Susan Malaika	
	Alternate: Beat Buesser	
	Alternate: Alexandre Eichenberger	Present
Nokia	Michael Rooke	
	Alternate: Jonne Soininen	
OPPO	Jimmy (Hongmin Xu)	
SAS	*Nancy Rausch	Eligible but not present
	Alternate: JP Trawinski	
ZTE	Wei Meng	

	Alternate: Liya Yuan	Present but not eligible
Adversarial Robustness Tool Project	Beat Buesser	Eligible but not present
	Alternate: Kevin Eykholt	
Angel Project	Jun Yao	
Egeria Project	Mandy Chessell	Present
	Alternate: Nigel Jones	
	Alternate: David Radley	
	Alternate: Maryna Strelchuk	
	Alternate: Ljupcho Palashevski	
	Alternate: Chris Grote	
Flyte Project	Ketan Umare	
Horovod Project	Travis Addair	
Milvus Project	Xiaofan Luan	
	Alternate: Jun Gu	
ONNX Project	Alexandre Eichenberger	
	Alternate: Jim Spohrer	Present
	Alternate: Prasanth Pulavarthi	
	Alternate: Andreas Fehlner	
Pyro Project	Fritz Obermeyer	
OpenLineage	Julien Le Dem	
	Alternate: Mandy Chessell	
	Alternate: Michael Robinson	Present
Marquez	Willy Lulciuc	
	Alternate: TBD	
	Alternate: TBD	

Note for Voting Members

Please ensure you attend the bi-weekly TAC meetings to maintain voting eligibility. If you have not already provided an alternate representative, please email Vini Jaiswal (vini.js1303@gmail.com), TAC Chair *and* operations@lfaidata.foundation to designate an alternate representative. It is critical to meet quorum during the meetings especially when there are voting items on the agenda.

LF Staff Attendees

- Ibrahim Haddad, Executive Director, LF AI & Data
- Lucy Hyde, Senior Program Manager, Linux Foundation

- Nathan Southern, Senior Project Coordinator
- Matt White, GenAI Commons

Non-LF Staff Attendees

- Mauro Bennici
- Mandy Chessell
- Alexandre Eichenberger
- Andreas Fehlner
- Joan Fontanals
- MyungJoo Ham
- James Harroun
- Ofer Hermoni
- Vini Jaiswal
- Yassi Moghaddam
- Michael Robinson
- Michael Rooke
- Jim Spohrer
- Nan Wang
- Liya Yuan

Invited Guests/Presenters

- Joan Fontanals
- Yassi Moghaddam
- Nan Wang
- Matt White

Call to Order and Logistics

Ibrahim Haddad (IH) called the meeting to order at 6:03am Pacific and Nathan Southern (NS) recorded the minutes.

IH welcomed everyone. IH noted that Nancy Rausch recently stepped down as TAC chair and that Vini Jaiswal (VJ) of ByteDance was recently elected to this role. IH also displayed and acknowledged the Linux Foundation Antitrust Policy.

IH also displayed all the relevant social media links for LF AI & Data.

Agenda

IH reviewed the agenda for the meeting as follows and noted three presentations for today's meeting:

- › Roll Call
- › Approval of Minutes from previous meeting
- › Foundation Updates
- › DocArray Graduation Proposal - Nan Wang (CTO of Jina.ai)
- › Generative AI Commons Updates - Matt White
- › USCS HCI MS Program - Yassi Moghaddam

IH postponed minutes approval as quorum had not been reached at this juncture in the meeting.

There were no further changes or additional topics added.

Election Updates

IH summarized the results of recent LF AI Board Elections. Wei Meng (ZTE) is now Board Chair. Anni Lai (Futurewei) is now chair of the Generative AI Commons, Alexy Khrabrov (IBM) is Vice Chair of the Generative AI Commons, and Vini Jaiswal (Bytedance) is Chair of the Technical Advisory Committee.

New Chair Introduction - Vini Jaiswal

VJ Introduced herself to the TAC and mentioned ByteDance's recent onboard as a General Member of LF AI. VJ profiled her background in data and AI, her involvement in DeltaLake and MLFlow within the Linux Foundation, and her close alignment with the Linux Foundation and LF's core values. She also expressed her commitment to supporting the work of the TAC, leading the committee and facilitating effective collaborations with TAC members.

New Member Summary - Ibrahim Haddad

IH reviewed the members who have recently joined LF AI, including: ByteDance (General), Wegmans (General), Thinkerland (Associate), Columbia University (Associate) and The Human Feedback Foundation (Associate). IH stated that LF AI is actively working on membership recruitment and that new members are joining on a monthly basis.

AI_Dev Update - Ibrahim Haddad

LF AI collaborated with The Linux Foundation with the AI_Dev event in San Jose, CA in December 2023. Approximately 750 individuals joined. In 2024 LF AI is hosting four additional AI_Dev events: one in Paris (Jun. 19-20), one in Hong Kong (Aug. 23), one in Seattle (Oct. 14-15), and one in Tokyo (Oct. 28-29).

TAC Attendees: Those interested in sponsoring AI_dev should reach out to Foundation leadership.

TAC Attendees: All those interested in submitting to the CFP or registering for the Paris AI_dev should do so [here](#); All interested in submitting to the CFP or registering for the Seattle AI_dev should do so [here](#).

DocArray Graduation Proposal - Joan Fontanals

Joan Fontanals (JF) presented a proposal to move DocArray from Incubation stage to Graduate stage. JF began with an overview of the DocArray project.

JF noted that Jina.Ai donated DocArray to LF AI in November 2022. He began by defining the objectives of DocArray, which is a Python library expertly crafted for the representation, transmission, storage and retrieval of multimodal data. The library functions as a one-stop solution for the intersection of data types and vector databases (both open and closed source databases). DocArray makes it easier for users on every level, from industry experts to private practitioners, to work with audio and video and text within vector databases.

DocArray had 40 contributors when it onboarded LF AI; Jina.ai's donation of DocArray occurred to help the DocArray project gain greater trust from the industry and express its technical agnosticism. Entering incubation led to 60+ contributors; now, on the cusp of Graduation, the project has 72+ contributors. In the years since the donation to LF AI, the project has also moved to version .40 which includes an adaption to Pydantic v.2, a significant technical milestone.

DocArray is requesting graduation to the Graduate-level project stage. JF noted that it has: over 72 contributors from organizations including Jina.ai, Weavant, Qdrant, Redis and Epsilla; 2,700+ stars on

GitHub, 6835 commits, a Gold Best Practices Badge; a TSC, a Charter, and Documentation for a Contribution Guide; and integration with the Milvus Project as a one-vector storage option. The project has also grown considerably - in terms of commits, stars, forks, and PR creators - since incubation. It has corporate followers including Alibaba, Apple, Alipay and AWS, and numerous organizational contributors to its code. The contributions from Jina.ai members have fallen from 90%--->21%

Major features added to DocArray during incubation include:

- Milvus integration
- Epsilla integration
- Jax integration
- Migration to PyDantic v. 2

DocArray's key contributions to the OSS Community in 2023 include but are not limited to:

- A presentation at GSoC 2023 Mentor Summit
- A presentation at PyCon US 2023
- Top-5 VectorStores Used on LangchainSmith

IH put the approval to the TAC for questions but none were presented.

Proposed resolution by Ibrahim Haddad:

That the Technical Advisory Committee of the LF AI & Data Foundation approves the graduation of the DocArray Project.

Mandy Chessell (MC) put forth a first motion to approve.

Michael Robinson (MR) put forth a second motion to approve.

All present affirmed this resolution, with no objections or abstains.

IH - *Seek approval on DocArray's graduation from the Governing Board during the first week of March. Pending this approval, upgrade the project and complete all related tasks associated with this.*

IH noted that several other projects in LF AI are now eligible for graduation; for this reason, he foresees numerous additional graduations in 2024

Generative AI Commons Updates - Matt White

Matt White (MW) outlined numerous updates regarding the Generative AI Commons, including the following:

- Participation in the Commons has grown, with 120+ active participants and 60 member companies
- The Commons is now actively collaborating with other foundations and initiatives including FINOS, OSI and the NIST AI Safety Consortium.
- The Commons recently created its fifth workstream, Responsible AI, to address issues of safety,

security, trust, and responsible AI development and usage. The Trusted AI Group has folded into this new workstream.

- The Model Openness Framework white paper is in final draft, and is scheduled for release in mid February.
- Grass roots member RWKV recently released the Eagle 7B RNN model, outperforming all other “open” models on multilingual benchmarks.
- The Commons is now collaborating on the World Dataset project with RWKV (50+ language dataset, high quality human generated multilingual culture-preserving data. Translation without English as an intermediate language)
- The Generative AI Commons website recently went live (<https://genaiccommons.org>). The model openness framework also has a forthcoming website that will enable users to check whether their models are open and to what degree.
- The AI_Dev conference took place in mid December with talks from members and an after hours event, and drew hundreds of attendees.

TAC Members who are not involved in the Generative AI Commons are invited to join and contribute to one or more of the workstreams.

IH opened it up to questions for MW.

Nan Wang (NW) of Jina.ai indicated that Jina is working on an open source model for AI that his team ran on Hugging Face, and that he wishes to contribute to LF AI; IH advised NW to get in touch with himself and MW to discuss donating their model.

Nan Wang: set up a call with Matt White and Ibrahim Haddad to discuss contributing Jina’s open source model to LF AI.

HCI MS Program at University of California of Santa Cruz - Yassi Moghaddam

Yassi Moghaddan (YM) provided an overview of her university graduate program and how it engages with industry. YM noted that their capstone project provides a path into this engagement by placing gifted students with key industry figures.

YM leads a three-year-old, interdisciplinary, professional masters program built around HCI, or Human Computer Interaction. Most of the students land in industry in lieu of academia. The program is rooted in the belief that the real opportunity for designers to make the greatest impact lies in the intersection of technology, business, generative AI, art, and responsible innovation. The program itself lasts 15 months but for four quarters, the students attend internships. This program began with an emphasis on broad HCI design, but - following the wave of attention surrounding ChatGPT in fall 2023 - witnessed an upsurge in student interest in this area; thereafter, ChatGPT became more central to the curriculum.

YM noted that key student capstone projects have involved industry titans such as Mastercard, Accenture and Microsoft, all of which sit on their industry advisory board.

Open Discussion

No further topics were discussed.

TAC Attendees who have topics that they would like to see discussed in TAC Meetings, or ideas for guest speakers, should get in touch with Ibrahim Haddad and/or chair Vini Jaiswal.

Upcoming TAC Meetings

March 7, 2024

March 21, 2024

Adjournment

With no further business, IH adjourned the meeting at 6:50 AM Pacific.

Please note the TAC is always open to agenda suggestions and guest presentations. If you have a topic you would like to request, please email tac-general@lists.lfaidata.foundation for review and coordination via the TAC Chair accordingly.

Chat Conversation:

00:10:13 Jim Spohrer (ISSIP): Thanks @Ibrahim Haddad - looking forward to learning from today's speakers, and glad to catch up on LF AI & Data activities today - exciting times for sure. Congratulations to @Vini Jaiswal newly elected TAC Chair!

00:10:58 Jim Spohrer (ISSIP): Welcome to all newly elected officers!

00:12:32 Vini Jaiswal: Reacted to "Thanks @Ibrahim Hadd..." with 

00:14:23 Vini Jaiswal: Thank you Jim. Honored to be serving this amazing TAC committee!!

00:14:39 Jim Spohrer (ISSIP): Reacted to "Thank you Jim. Honor..." with 

00:23:03 Vini Jaiswal: Amazing work within the DocArray project, Joan!!!

00:23:20 Michael Robinson: Impressive!

00:23:28 Jim Spohrer (ISSIP): Great journey - thanks for impressive presentation.

00:24:00 Jim Spohrer (ISSIP): Reacted to "Amazing work within ..." with 

00:24:03 Jim Spohrer (ISSIP): Reacted to "Impressive!" with 

00:25:49 Joan Fontanals: thank you very much!

00:25:53 Nan Wang: Many thanks for your support! Looking forward to the future cooperation with LFAI!

00:26:05 Nan Wang: Reacted to "Great journey - than..." with 

00:26:08 Nan Wang: Reacted to "Impressive!" with 

00:26:15 Nan Wang: Reacted to "Amazing work within ..." with 

00:26:37 Jim Spohrer (ISSIP): Reacted to "thank you very much!" with 

00:26:40 Jim Spohrer (ISSIP): Reacted to "Many thanks for your..." with 

00:27:11 Ibrahim Haddad: Great success story from sandbox to graduation 

00:28:37 Jim Spohrer (ISSIP): Reacted to "Great success story ..." with 

00:28:37 Vini Jaiswal: Reacted to "Many thanks for your..." with 

00:28:54 Ibrahim Haddad: Here is the URL to the paper Matt is talking about: v

00:28:56 Ibrahim Haddad:

<https://docs.google.com/document/u/1/d/1RUNrs4flAsYsikXTPu1jWBH1BAumCyeG/edit#heading=h.gjdgxs>

00:29:59 Vini Jaiswal: Reacted to "Great success story ..." with 

00:30:07 Vini Jaiswal: Reacted to "Here is the URL to t..." with 

00:30:17 Jim Spohrer (ISSIP): Reacted to "Here is the URL to t..." with 

00:32:09 Jim Spohrer (ISSIP): +1 “However, very few “open-source” GAI models provide all of the components required to fully understand and reproduce the models, and some implement restrictive and conditional licenses, a practice commonly referred to as “openwashing.” To address this, we propose the Model Openness Framework (MOF)—a ranked classification system to rate all machine learning (ML) models for completeness and openness, based on principles of open science, open source, open data and open access.”

00:33:26 Matt White:
https://docs.google.com/presentation/d/1Ie0NKJ4N5u3UINUdiwoA7pBYtaRrUdH0gEcMUo9M9Y0/edit?pli=1#slide=id.g2a40835acf2_1_125

00:33:28 Nan Wang: Very impressive work! We have our embedding models open sourced on <https://huggingface.co/jinaai/jina-embeddings-v2-base-en>

00:33:32 Matt White: Details to join here ^

00:33:40 Matt White: Reacted to "Very impressive work..." with ❤️

00:33:43 Nan Wang: Great! I will check it out

00:35:13 Vini Jaiswal: Will look forward to collaborating. Thanks for sharing, Matt. Lot of work is being done in SLMs and it would be good to explore. 🙏

00:35:16 Vini Jaiswal: Reacted to "Very impressive work..." with ❤️

00:35:23 Vini Jaiswal: Reacted to "https://docs.google...." with 👍

00:45:32 Jim Spohrer (ISSIP): +1 Hi Yassi - thanks for update on UC Santa Cruz - Silicon Valley HCI Program - your program attracts super-motivated students to work with industry mentors on capstone projects.

00:45:50 Vini Jaiswal: Reacted to "+1 Hi Yassi - thanks..." with 👍

00:46:27 Matt White: Reacted to "Will look forward to..." with ❤️

00:51:18 Ibrahim Haddad: To follow up with Yassi on possible design / UX Research collaboration with UCSC: yamoghad@ucs.edu. +Internship opps.

00:52:46 Vini Jaiswal: Thank you, Yassi!!