LF AI is an LF umbrella foundation founded in March 2018 to support collaboration and open source innovation in the AI, ML, and DL domains.

https://lfai.foundation
A growing ecosystem with many competing and redundant projects
Open Source AI - Ecosystem Challenges

- **Managing projects assets**: As project grows, it is unclear who should own legal and administrative tasks that are essential to the health of the project.

- **Governance challenges**: No formal governance, governance favors the creators of the project, project backer dominating dev and governance.

- **Glass ceiling for project investment and adoption**: In the absence of a fair governance and safe haven for the project's assets.

- **Developed for a specific product needs**: The open source spinoff is a result of wanting to build an ecosystem and collaborate on building a platform.

- **Fragmentation**: Lack of integration, lack of cross pollination across projects.
Motivations for Harmonization

1. Better integration and interoperability capabilities across projects
2. Greater efficiency for members across various costs spent on supporting and growing the ecosystem
3. Unified guidance for end users on tools, interoperability, integration, standards, and the future of AI, Data and Analytics as its use continues to grow in every industry
4. Hosting projects under a single umbrella enables closer collaboration and integration across projects and is a proven recipe for building a strong open ecosystem
LF AI Structure

Funding Governance
- Governing Board
- Outreach
- Legal
- Strategy
- Budget

Technical Coordination
- Technical Advisory Council (TAC)
- ML Workflow & Interop
- Trusted AI

Hosted Projects
- Acumos
- Angel ML
- ONNX
- ADA
- Adversarial Robustness Toolkit (ART)
- AI Fairness 360 Toolkit
- AI Explainability 360 Toolkit
- AI Explainability 360 Toolkit
- Elastic Deep Learning (EDL)
- ForestFlow
- ML
- MARQUEZ
- Milvus
- Pyro
- sparklyr

THE LINUX FOUNDATION
Governance

› Foundation governance: funding effort to support technical projects hosted under the Foundation
› Technical governance: hosted projects have their own independent technical governance
› The Foundation’s Charter is available from https://lfai.foundation
› Dedicated Staff:
  › Jacqueline Serafin, Lead PM
  › Ibrahim Haddad, Executive Director
Neutral Environment

- Provide an neutral environment and an open governance that fosters collaboration and cross-pollination across projects and communities

Harmonization, Interoperability

- Increase efforts to harmonize AI/ML/DL open source projects and reduce fragmentation; increase interoperability among technical projects

Trusted and Responsible AI

- Become the home of open source trusted and responsible AI, both at the level of technical projects and also at the level of principles and guidelines

Data, Models, Marketplace

- Host open source models and provide supporting tools; publish best practices; offer a marketplace for AI/ML/DL models

Funding and Awareness

- Provide a funding model for key projects
- Increase awareness via a number of marketing and outreach activities
- Training courses published in edX

Neutral Environment

- Vendor neutral
- Not-for-profit
- Open governance
- IP clarity

Technical Advisory Council

- ML Workflow & Interop
- Cross-Foundation Collab Integration across projects

Trusted AI Committee

- Open source marketplace
- Open source AI models

Data, Models, Marketplace

- Funding model
- LF AI Days
- LF AI Summits
- Marketing services
- PM services
- Event services
Members
Projects

Graduation

- Acumos
- Angel
- ONNX
- ADLIK
- Adlik
- IBM
- AI Explainability 360 (AIEX360)
- AI Fairness 360 Toolkit (AIF360)
- EDL
- Elastic Deep Learning (EDL)

Incubation

- ForestFlow
- Harveed
- Marquez
- Milvus
- NNStreamer
- Pyro
- sparklyr

LF Artificial Intelligence Foundation
Incubating Projects

› LF AI’s TAC committee is responsible to voting in new incubation projects.

› The TAC meets bi-weekly and generally booked 4-6 weeks in advance.

› Proposing projects for incubation in LF AI: https://lfai.foundation/proposal-and-hosting-process/
Project Resources

Hosted project stages and life cycle:
https://lfai.foundation/project-stages-and-lifecycle/

Offered services for hosted projects:
https://lfai.foundation/services-for-projects/
Companies hosting projects in LF AI

- Amazon
- AT&T
- Baidu
- DreamWorks
- Facebook
- IBM
- Microsoft
- R Studio
- Samsung
- Tech Mahindra
- Tencent
- Uber
- Wework
- Zilliz
- ZTE
Universities Contributing Code to LF AI Projects

- Georgia Tech
- University of British Columbia
- Stanford University
- University of Pennsylvania
- New York University
- Massachusetts Institute of Technology
- Harvard University
- University of Oxford
- University of Copenhagen
- The Linux Foundation
- LF AI
Stay Connected with LF AI!

› Social
  › Follow @LFAI_Foundation on Twitter
  › Connect via LF AI Foundation on LinkedIn

› Mail Lists ⌘
  › TAC - Participate in technical governance and hear about LF AI projects
  › Events - Learn about upcoming events
  › Announce - Stay in the loop on top level Foundation information

› Blog
  › Check the latest news on our Blog
Joining LF AI Foundation is easy!

Please follow up with Ibrahim Haddad

- Web site: https://lfai.foundation
- Email: info@lfai.foundation
- Landscape: https://l.lfai.foundation
- GitHub: https://github.com/lfai
- Wiki: https://wiki.lfai.foundation
- Mailing lists: https://lists.lfai.foundation/groups