



Getting Involved Guide

For Current and Prospect Members

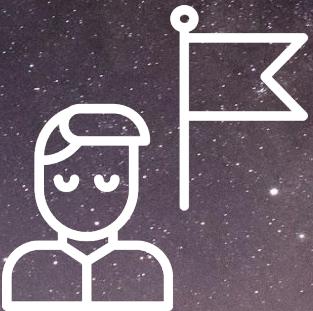
lfai.foundation

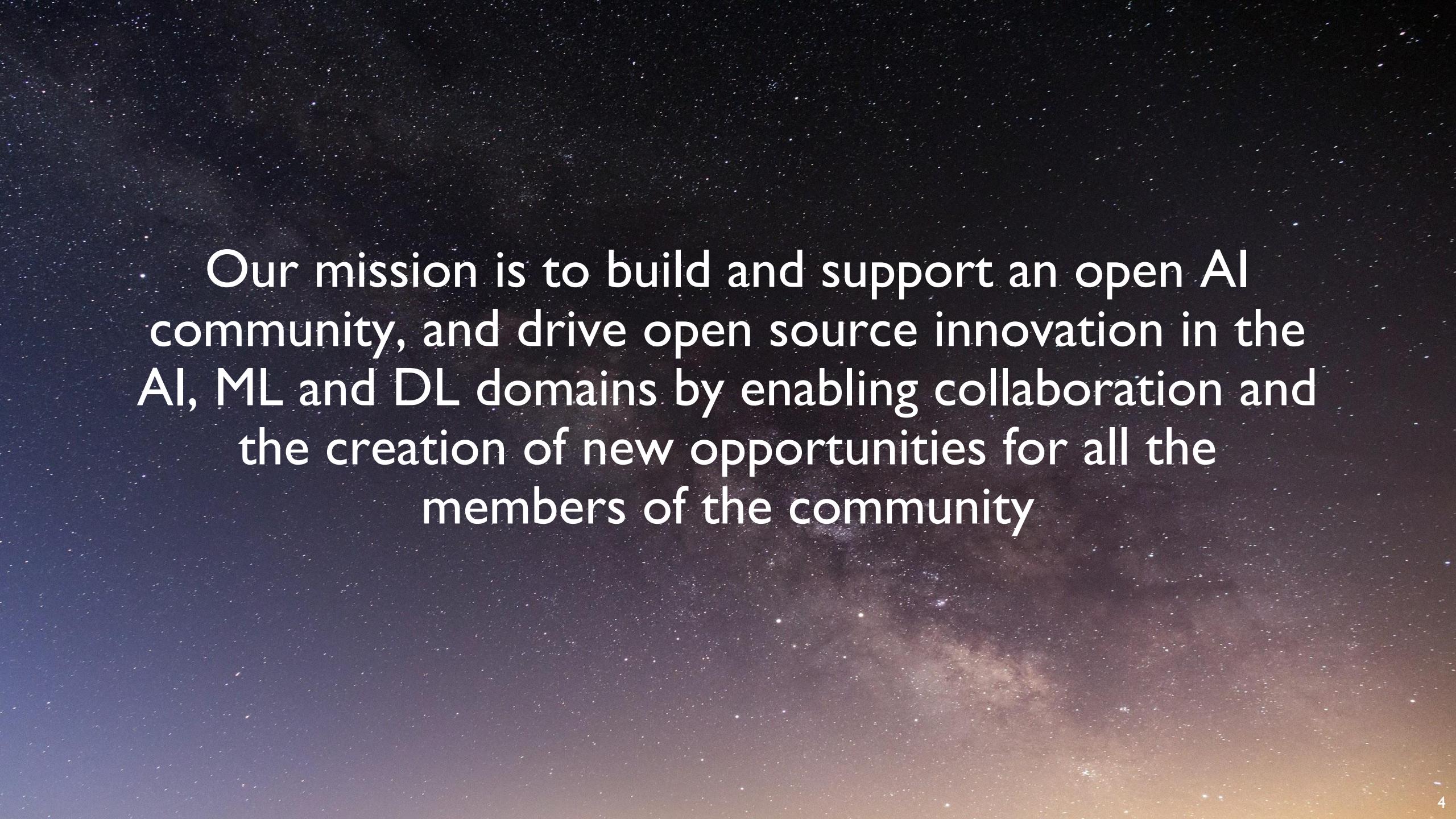
Thank you!

Thank you for joining the LF AI Foundation. Your support is vitally important in sustaining the health and innovative momentum of open source AI and the LF AI projects.

We've written this guide to provide you a complete reference to the LF AI community. You will learn how to engage with your communities of interest, all the different ways you can contribute, and how to get help when you need it. If you have suggestions for enhancing this guide, please get in touch with LF AI staff.

We are creating a sustainable open source AI ecosystem that makes it easier to create AI products and services using machine learning and deep learning open source technologies.





Our mission is to build and support an open AI community, and drive open source innovation in the AI, ML and DL domains by enabling collaboration and the creation of new opportunities for all the members of the community

Table of Contents

[Organizational Overview](#)

[Key Foundation Staff and Resources](#)

[Joining LF AI](#)

[Hosting Projects Under LF AI](#)

[Getting Involved](#)

[LF AI Landscape](#)

Organizational Overview



Governance

LF AI is a single funding effort to support technical projects hosted under the Foundation.

Technical projects have their own technical governance following our principle of separation of technical governance from funding governance.

The Foundation's Charter is available from <https://lfai.foundation>.

Structure

Funding Governance

Governing Board (GB)

Outreach

Legal

Budget

Project Coordination

Technical Advisory Council (TAC)

Acumos

EDL

Angel

Horovod

Pyro

Developer community

Developer community

Developer community

Developer community

Developer community

Governing Board

- › **Composition:**

- › Appointees of Premier Members
- › Representative of General Members (elected annually)
- › TAC Chair (elected annually)

- › **Responsibilities include:**

- › Strategic direction and evolution of the LF AI Foundation
- › Funding the Foundation
- › Approving Graduate projects

- › Meets monthly over a conference call

Technical Advisory Council (TAC)

- › Membership on the TAC is made up of Premier Member appointees and a representative of “Graduate” projects
- › The TAC serves a coordination role:
 - › Facilities communication across and among the supported technical projects; and
 - › Communicates needs and requirements of the projects to the Governing Board
 - › Onboards new projects, assists in progression of existing projects, and reviews projects annually
 - › Defines and maintains the technical vision for the LF AI Foundation
 - › Vote on approving new projects joining the LF AI as incubation or graduate projects
 - › Creates a conceptual architecture for the projects, aligning projects, removing or archiving projects
 - › Defines common practices to be implemented across LF AI projects
- › Meetings via conference calls take place every 2 weeks, are recorded and open to the general public
 - › <https://wiki.lfai.foundation/pages/viewpage.action?pageld=7733341>

Outreach Committee

- › Composition:
 - › One appointed voting representative from each Premier Member
 - › Each General Member may appoint a non-voting representative to observe and participate in the Outreach Committee
- › Responsible for community outreach and marketing strategy for LF AI
- › Meetings happen monthly over a conference call
 - › <https://wiki.lfai.foundation/display/DL/Outreach+Committee>

Budget Committee

- › Composition:
 - › Representatives of the Governing Board that volunteer to be named participants on the Budget Committee
- › The responsibilities of the Budget Committee include:
 - › Assisting the Treasurer in preparation of annual budgets that adhere to the principles and guidelines established by the Governing Board;
 - › Developing and reporting metrics for the allocation of budget in relation to meeting the priorities of the Governing Board;
 - › Reviewing the progress of the Directed Fund against the annual budget;
 - › Preparing forecasts for future financial needs of the Directed Fund; and such other matters related to finance and the financial operation of the Directed Fund as may be directed to the Budget Committee by the Governing Board

Legal Committee

- › The Legal Committee consists of members of the Governing Board that wish to participate on the Legal Committee together with their company's legal counsel
- › Responsible for the creation of recommendations to the Governing Board in response to questions submitted to the Legal Committee by the Governing Board or the TAC

LF AI Elected Leadership

Governing Board (GB)
Chair: Mazin Gilbert, AT&T

Technical Advisory Council
Chair: Ofer Hermoni, Amdocs

GB General Member Representative
Francois Jezequel, Orange

Outreach Committee
Chair: Jamil Chawki, Orange

Acumos Technical Steering Committee
Chair: John Murray, AT&T

Budget Committee
Treasurer: Jonne Soininen, Nokia

Key Foundation Staff and Resources



LF AI: Key Contacts and Resources

These contacts can answer any questions you may have about how to engage with any aspect of the Foundation, and will provide introductions to other community members and activities as you choose to get more deeply involved.

Staff

Ibrahim Haddad, Executive Director

Jacqueline Serafin, Program Manager

Eric Ball, IT Release Engineering

Resources

Web Site

Landscape

GitHub

Wiki

Artwork

Email

<https://lfai.foundation>

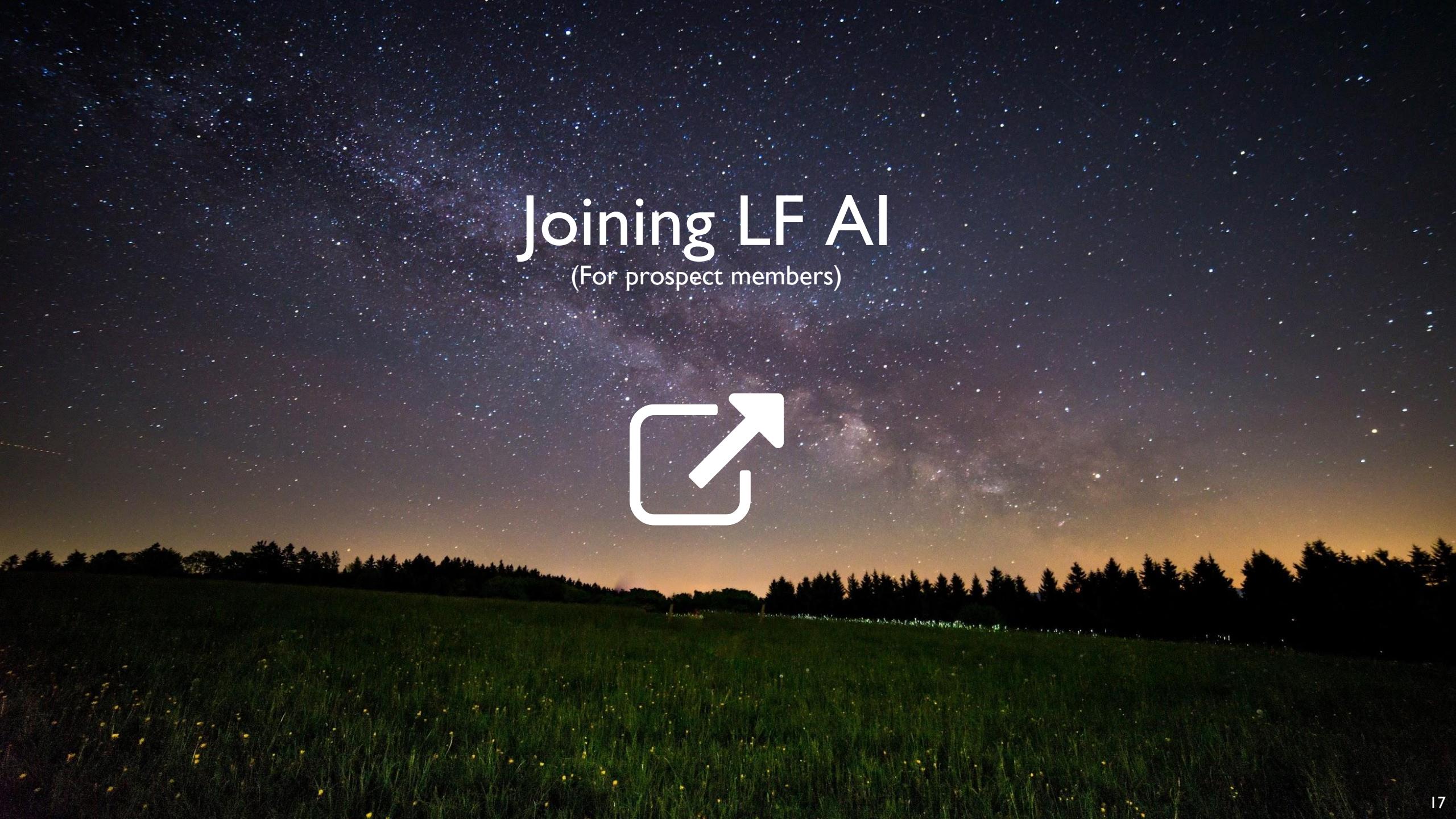
<https://landscape.lfai.foundation>

<https://github.com/Lfai>

<https://wiki.lfai.foundation/>

<https://github.com/Lfai/artwork>

info@lfai.foundation



Joining LF AI

(For prospect members)



Join the LF AI Foundation - Membership Benefits

Organizations join LF AI because they want to take an active role in supporting the growth and evolution of the open source AI, ML and DL ecosystem.

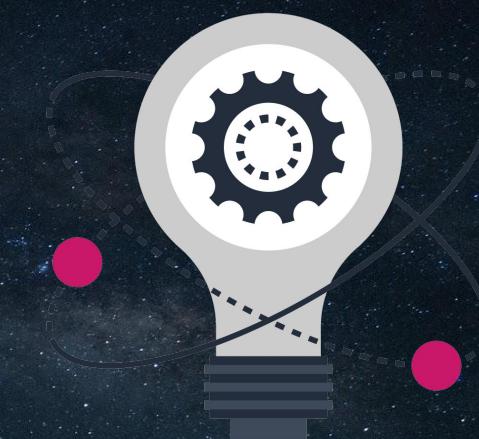
LF AI Membership Provides:



Marketing Amplification
and Brand Awareness



Community Engagement



Thought Leadership

LF AI Foundation Annual Dues

	Not Yet a Linux Foundation Member	Existing Linux Foundation Member
Premier Member	\$120,000	\$100,000
General Member	5,000 employees +: \$45,000 2,000 - 4,999: \$30,000 500 - 1,999: \$25,000 Up to 499 employees: \$10,000	5,000 employees +: \$25,000 2,000 - 4,999: \$15,000 500 - 1,999: \$10,000 Up to 499 employees: \$5,000
Associate Member		Free

Limited to academic and nonprofit institutions respectively and requires approval by the Governing Board

Premier Membership

Highest tier of membership – For organizations who contribute heavily to open source AI, ML and DL and bring in their own projects to be hosted at the Foundation. They work in concert with LF AI team members. These companies want to take the most active role in enabling open source AI, ML and DL.

Premier members are eligible to:

(Enjoy all the benefits of General level, plus;)

- Appoint one representative to the LF AI Governing Board
- Appoint one representative as a voting member in any subcommittee or activities of the Governing Board
- Enjoy most prominent placement in displays of membership including website and marketing materials
- Increased access to Linux Foundation's invitation-only Open Source Leadership Summit
- Create an individualized press release upon membership announcement with the LF AI PR team
- Receive ongoing, individual engagement and guidance from LF AI Executive Director and staff

General Membership

Targeted for organizations that want to put their organization in full view in support of LF AI and our mission. Organizations that join at the General level are committed to using open source technology, helping LF AI grow, voicing the opinions of their customers, and giving back to the community.

General members are eligible to:

- Participate in elections to appoint one representative to the LF AI Governing Board per every ten General members, up to three maximum General representatives
- Receive greater insight into LF AI strategy and project roadmaps through increased engagement with the LF AI Executive Director and staff
- Create an individualized press release upon membership announcement with the LF AI PR team
- Participate in all Marketing, Community, Thought Leadership opportunities
- Demonstrate your support for LF AI by displaying your logo on the LF AI website and in marketing materials

Associate Membership

Limited to academic and nonprofit institutions respectively and requires approval by the Governing Board

- › Academia
- › Not-for-profit
- › Government agencies
- › Standardization bodies
- › etc.

Free membership

LF AI Projects



Acumos AI



Brief Description:

Acumos is an Open Source Platform, which supports design, integration and deployment of AI models. Furthermore, Acumos supports an AI marketplace that empowers data scientists to publish adaptive AI models, while shielding them from the need to custom develop fully integrated solutions.

Contributed by:

AT&T and Tech Mahindra in May 2018 as Graduate Project

Key Contacts:

John Murray, AT&T

Key Links:

Github

<https://github.com/acumos>

Web Site

<https://www.acumos.org/>

Charter

https://www.acumos.org/wp-content/uploads/sites/61/2018/03/charter_acumos_mar2018.pdf

Mail Lists

acumosai-announce@lists.deeplearningfoundation.org

Wiki

<https://wiki.acumos.org/display/AC>

Gerrit

<https://gerrit.acumos.org/>

Artwork

<https://github.com/lfai/artwork/tree/master/acumos>

Acumos White Paper

<https://goo.gl/YZGwK9>

Angel ML

Brief Description:

Angel is a high-performance distributed machine learning platform based on the philosophy of Parameter Server. It is tuned for performance with big data from Tencent and has a wide range of applicability and stability, demonstrating increasing advantage in handling higher dimension model.

Contributed by:

Tencent in August 2018 as Incubation Project

Key Contacts:

Fitz Wang, Project Lead

<https://github.com/wangciahua>



Key Links:

Github

<https://github.com/Angel-ML/angel>

Charter

<https://lists.deeplearningfoundation.org/g/angel-tsc/wiki/Project-Docum-entation>

Mail Lists

angel-announce@lists.deeplearningfoundation.org

Wiki

<https://wiki.lfai.foundation/display/ANGEL/Angel+Home>

Artwork

<https://github.com/lfai/artwork/tree/master/angel>

Elastic Deep Learning



Brief Description:

EDL optimizes the global utilization of the cluster running deep learning job and the waiting time of job submitters. It includes two parts: a Kubernetes controller for the elastic scheduling of distributed deep learning jobs, and a fault-tolerable deep learning framework.

Contributed by:

Baidu in August 2018 as Incubation Project

Key Contacts:

Wu Yi, Project Lead

<https://github.com/typhoonzero>

Key Links:

Github

<https://github.com/PaddlePaddle/edl>

Web site

<http://www.paddlepaddle.org/>

Charter

<https://lists.deeplearningfoundation.org/g/edl-tsc/wiki/Project-Documen-tation>

Mail Lists

edl-announce@lists.deeplearningfoundation.org

Wiki

<https://wiki.lfai.foundation/display/EDL/EDL+Home>

Artwork

<https://github.com/lfai/artwork/tree/master/edl>



Horovod

Brief Description:

Horovod, a distributed training framework for TensorFlow, Keras and PyTorch, improves speed, scale and resource allocation in machine learning training activities. Uber uses Horovod for self-driving vehicles, fraud detection, and trip forecasting. It is also being used by Alibaba, Amazon and NVIDIA. Contributors to the project outside Uber include Amazon, IBM, Intel and NVIDIA.

Contributed by:

Uber in December 2018 as Incubation Project

Key Contacts:

Alex Sergeev, Project Lead
<https://github.com/alsrgv>

Key Links:

Github

<https://github.com/horovod/>

Web site

<https://horovod.ai>

Blog

<https://eng.uber.com/horovod/>

Charter

<https://lists.deeplearningfoundation.org/g/horovod-tsc/wiki/Project-Docum entation>

Mail Lists

horovod-announce@lists.deeplearningfoundation.org

Wiki

<https://wiki.lfai.foundation/display/HOR/Horovod+Home>

Artwork

<https://github.com/lfai/artwork/tree/master/horovod>



Pyro

Brief Description:

Pyro is a universal probabilistic programming language (PPL) written in Python and supported by PyTorch on the backend. Pyro enables flexible and expressive deep probabilistic modeling, unifying the best of modern deep learning and Bayesian modeling.

Contributed by:

Uber in January 2019 as Incubation Project

Key Contacts:

Fritz Obermeyer, Pyro Engineering Lead

<https://github.com/fritzo>

Key Links:

Github

<https://github.com/pyro-ppl>

Web site

<https://pyro.ai>

Blog

<https://eng.uber.com/>

Mail Lists

pyro-announce@lists.deeplearningfoundation.org

Wiki

<https://wiki.lfai.foundation/display/PYRO/Pyro+Home>

Artwork

<https://github.com/lfai/artwork/tree/master/pyro>

Hosting Projects under the LF AI



Creating sustainable open source projects requires hard work

- | | | | |
|---------------------------------|--|---|------------------------------------|
| 01 Governance Structure | 02 Membership Management | 03 IP Management | 04 Hosting Infrastructure |
| 05 Ecosystem Development | 06 Critical Mass at Launch | 07 Marketing Platform | 08 Awareness and Reach |
| 09 Project Guidance | 10 Events Support | 11 Trademark Support | 12 Independent Neutral Home |
| 13 Funding Model | 14 Compliance Scans | 15 CLA Management | 16 Creative Services |
| 17 Dedicated Staff | 18 Validation from a trusted source | 19 Collaboration opp with other projects | |

Our Value Proposition to Projects



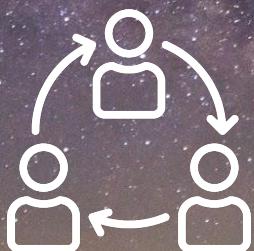
LF AI has a modular approach to hosting projects.

The Linux Foundation and LF AI provide the support for open development to occur among a diverse and thriving community, in addition to a number of enabling services that include membership and funding, ecosystem development, legal, PR and marketing, events, and compliance scans.

Host Your Project in LF AI

- › The process to host projects under LF AI is simple and includes:
 - › Presenting the project to the LF AI Technical Advisory Council (TAC)
 - › Providing a proposal on hosting the project under LF AI
(via Github: <https://github.com/lfai/proposing-projects/tree/master/proposals>)
 - › For “Incubation” project: A vote by the Technical Advisory Council
 - › For “Graduation” project: A vote by the Technical Advisory Council and Governing Board
 - › Signing the trademark and project account transfer agreement
 - › Working with LF AI staff on integrating the project with the LF AI Foundation
- › Detailed requirements for hosting projects under the LF AI:
<https://github.com/lfai/proposing-projects>

Getting Involved



Ways to Get Involved with LF AI Projects

- Participate in the development: Review and submit patches, report bugs, request features, test, etc.
- Contribute to project documentation
- Join the projects' mailing lists and participate in the discussions
- Attend developer events for LF AI projects
- Provide your testing and deployment feedback via appropriate project channel
- Start a local User Group Meetup

Ways to Get Involved with LF AI Marketing & Outreach

Promotion of project updates,
 releases, and news via LF AI social media accounts

Attend Outreach Committee
 meetings and participate in ongoing activities

Publish use cases, case studies,
 white papers, and deployment insights

Marketing and PR support for demos at meetups and events

Host vendor neutral content via LF AI blog site

Get support for artwork, web site, content creation, etc., for LF AI projects

Contribute to the LF AI landscape, promote in talks

Coordination at events, speaking
 proposals, booth attendance, demos, etc.

Volunteer to host an LF AI Day and Project developer events

Identify speaking opportunities
 and help secure speakers from the LF AI community

Help secure user stories about LF AI based deployments

Support LF AI marketing and PR staff

Ways to Get Involved with the TAC

Support TAC leadership in inviting speakers

Share success stories, opportunities and challenges with the broader technical community

Support technical leadership for harmonization efforts with other open source projects

Support TAC in evaluating new projects for inclusion in LF AI; recommend new projects

Attend TAC Bi-weekly calls, participate in the discussion, volunteer

Identify opportunities for collaboration on common interests and initiatives, seek input from peers

Support TAC in hosting and sponsoring intra-project and inter-project developer events

Support TAC Chair working with the GB to highlight opportunities and needed resource

Display Your LF AI Membership Badge

- › As an LF AI member, we encourage you to download your membership badge to display on your website and collateral, as well as in trade show booths
- › These badges are available (svg and png) from the LF AI artwork GitHub repo:
<https://github.com/lfai/artwork/tree/master/lfai-membership-badge>



Meet LF AI Staff at Upcoming Events

Open Networking Summit

San Jose, CA

April 3-5

Open Source Summit China

Shanghai

June 24-26

Open Source Summit Japan

Tokyo

July 17-19

Open Source Summit NA

San Diego, CA

Aug 21-23

Open Source Summit EU

Lyon, France

Oct 31 - Nov 1



LF AI
Landscape

166

Projects
900,000+ GitHub Stars

9

Categories

67

Organizations
Market cap of \$6.5T



Universities

10

Open Source Licenses

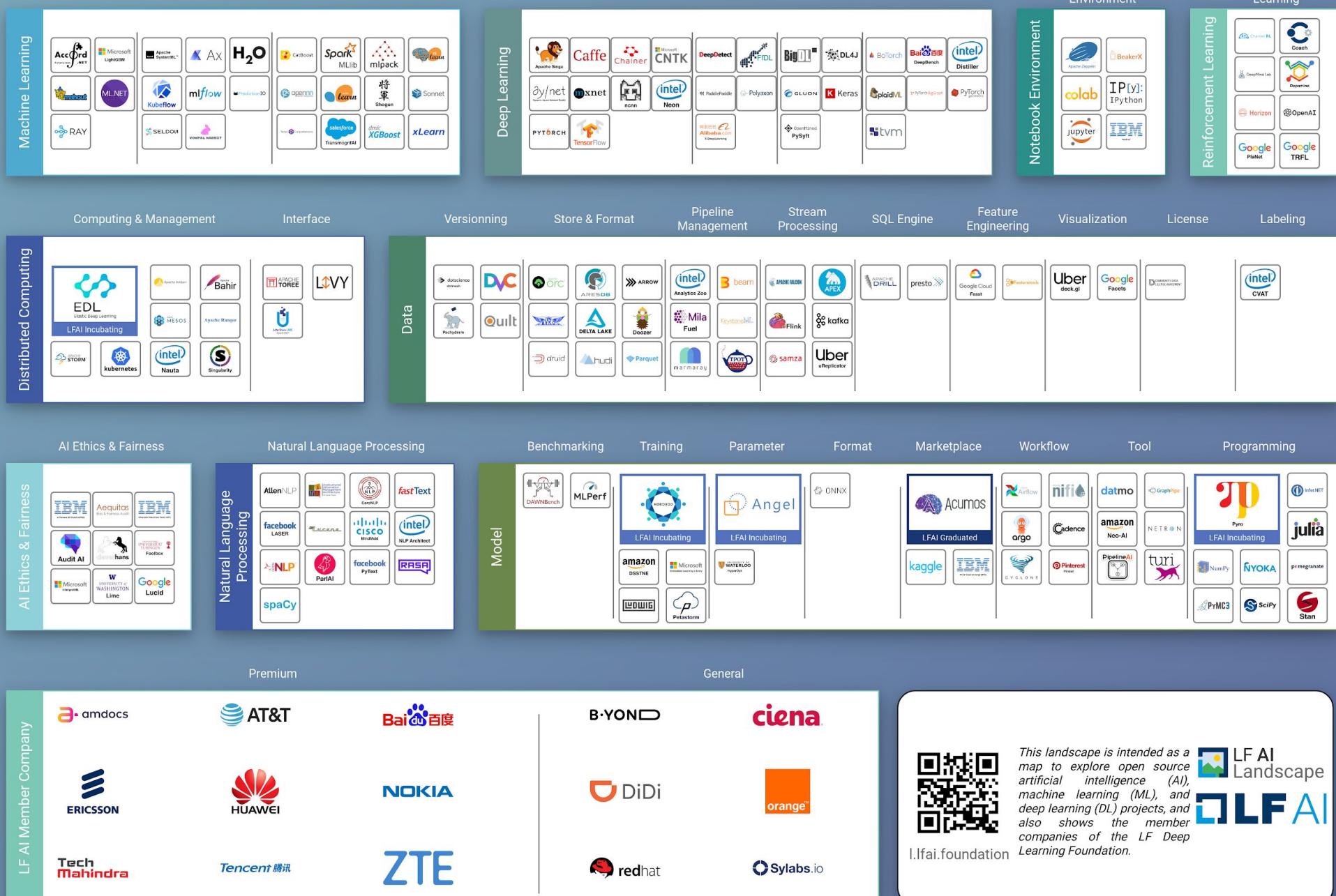
landscape.lfai.foundation

Linux Foundation AI Landscape
2019-05-16T22:47:43Z 2eb258f

Framework Platform Library

See the interactive landscape at l.lfai.foundation

Greyed logos are not open source





Getting Involved Guide

For Current and Prospect Members

Web site:

<https://lfai.foundation>

Email:

info@lfai.foundation

Twitter:

[@LFDeepLearning](https://twitter.com/LFDeepLearning)

Landscape:

<http://l.lfai.foundation>

GitHub:

<https://github.com/lfai>

Download the latest copy of this deck from: <https://github.com/lfai/presentations>