



# Getting Involved Guide

For Current and Prospect Members

Last updated: 02/22/2019

[lfdl.io](https://lfdl.io)

# Thank you!

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

We've written this guide to provide you a complete reference to the LF DL 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 DL staff or email us at [info@lfdl.io](mailto:info@lfdl.io).

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.



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# Organizational Overview



# Governance

LF DL 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://lfdl.io>.

# Structure

## Funding Governance

**Governing Board (GB)**

Outreach

Legal

Budget

## Project Coordination

**Technical Advisory Council (TAC)**

Acumos

Developer community

EDL

Developer community

Angel

Developer community

Horovod

Developer community

Pyro

Developer community

## Technical Projects

# Governing Board

- › Composition:
  - › Appointees of Premier Members
  - › Representative of General Members (elected annually)
  - › TAC Chair (elected annually)
- › Responsible for orchestration and funding of LF DL
- › Meeting 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 DL Foundation
  - › Vote on approving new projects joining the LF DL 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 DL projects
- › Meetings via conference calls take place every 2 weeks, are recorded and open to the general public
  - › <https://lists.deeplearningfoundation.org/g/tac-general/wiki/Home>

# 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 DL**
- › **Meetings happen monthly over a conference call; all LF DL members are invited and encouraged to attend**
  - › <https://lists.deeplearningfoundation.org/g/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 DL 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 DL: 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

Nancy McGrory, PR and Marketing

Eric Ball, IT Operations

## Resources

Web Site

<https://lfld.io>

Landscape

<https://l.lfdl.io> or <https://landscape.lfdl.io>

Mail Lists

<https://lists.deeplearningfoundation.org/>

GitHub

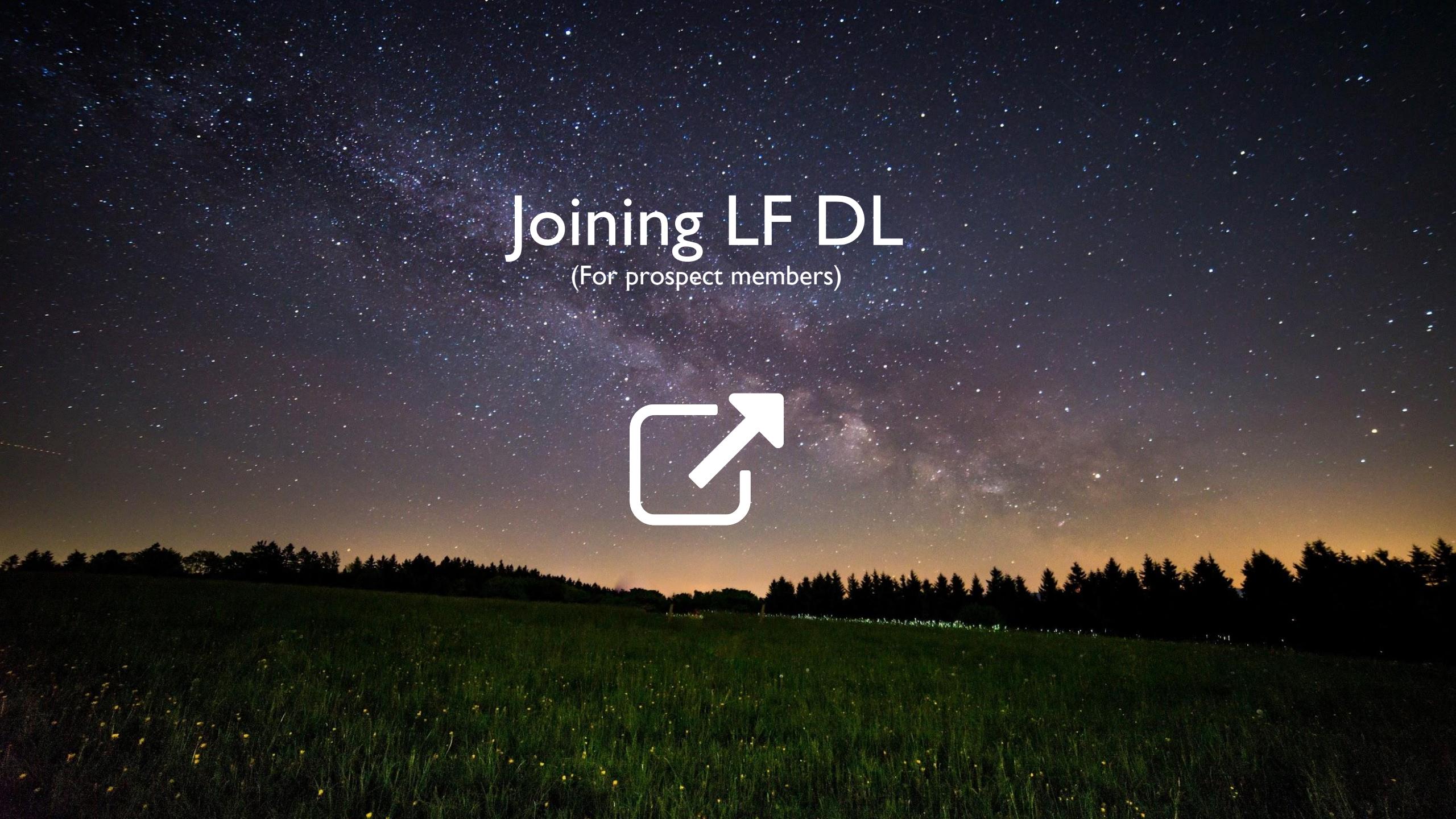
<https://github.com/LFDLFoundation/>

Artwork

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

Email

[info@lfld.io](mailto:info@lfld.io)



# Joining LF DL

(For prospect members)



# Join the LF DL Foundation - Membership Benefits

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

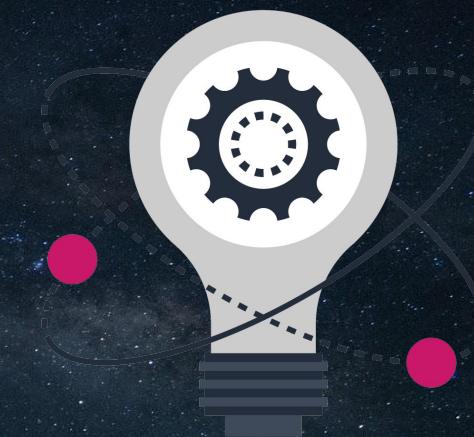
## LF DL Membership Provides:



Marketing Amplification  
and Brand Awareness



Community Engagement



Thought Leadership

# LF Deep Learning 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 DL 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 DL 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 DL PR team
- Receive ongoing, individual engagement and guidance from LF DL Executive Director and staff

# General Membership

Targeted for organizations that want to put their organization in full view in support of LF DL and our mission. Organizations that join at the General level are committed to using open source technology, helping LF DL 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 DL Governing Board per every ten General members, up to three maximum General representatives
- Receive greater insight into LF DL strategy and project roadmaps through increased engagement with the LF DL Executive Director and staff
- Create an individualized press release upon membership announcement with the LF DL PR team
- Participate in all Marketing, Community, Thought Leadership opportunities
- Demonstrate your support for LF DL by displaying your logo on the LF DL 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 DL 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

## Key Contacts:

John Murray, AT&T

## Key Links:

Web Site	<a href="https://www.acumos.org/">https://www.acumos.org/</a>
Wiki	<a href="https://wiki.acumos.org/">https://wiki.acumos.org/</a>
Github	<a href="https://github.com/acumos">https://github.com/acumos</a>
Artwork	<a href="https://github.com/LFDLFoundation/artwork/tree/master/acumos">https://github.com/LFDLFoundation/artwork/tree/master/acumos</a>
Gerrit	<a href="https://gerrit.acumos.org/">https://gerrit.acumos.org/</a>
JIRA	<a href="https://jira.acumos.org/secure/Dashboard.jspa">https://jira.acumos.org/secure/Dashboard.jspa</a>
Documentation	<a href="https://docs.acumos.org/">https://docs.acumos.org/</a>
Mail Lists	<a href="https://lists.acumos.org/g/main">https://lists.acumos.org/g/main</a>
Community Committee	<a href="https://wiki.acumos.org/display/ACCOM">https://wiki.acumos.org/display/ACCOM</a>
Security Committee	<a href="https://wiki.acumos.org/display/SEC">https://wiki.acumos.org/display/SEC</a>
Architecture Committee	<a href="https://wiki.acumos.org/display/AR">https://wiki.acumos.org/display/AR</a>
Acumos White Paper	<a href="https://goo.gl/YZGwK9">https://goo.gl/YZGwK9</a>
TSC	<a href="https://wiki.acumos.org/pages/viewpage.action?pageId=4653595">https://wiki.acumos.org/pages/viewpage.action?pageId=4653595</a>
Charter	<a href="https://www.acumos.org/wp-content/uploads/sites/61/2018/03/charter_acumos_mar2018.pdf">https://www.acumos.org/wp-content/uploads/sites/61/2018/03/charter_acumos_mar2018.pdf</a>

# 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

## 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

<https://lists.deeplearningfoundation.org/>

### Wiki

<https://lists.deeplearningfoundation.org/g/angel-tsc/wiki/home>

### Artwork

<https://github.com/LFDLFoundation/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

## 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

<https://lists.deeplearningfoundation.org/>

Wiki

<https://lists.deeplearningfoundation.org/g/edl-tsc/wiki/home>

Artwork

<https://github.com/LFDLFoundation/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

## Key Contacts:

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

## Key Links:

Github

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

Web site

<https://horovod.ai>

Horovod Blog

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

Charter

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

Mail Lists

<https://lists.deeplearningfoundation.org/>

Wiki

<https://lists.deeplearningfoundation.org/g/horovod-tsc/wiki/home>

Artwork

<https://github.com/LFDLFoundation/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

## Key Contacts:

Fritz Obermeyer, Pyro Engineering Lead

<https://github.com/fritzo>

## Key Links:

Github

Web site

Mail Lists

Artwork

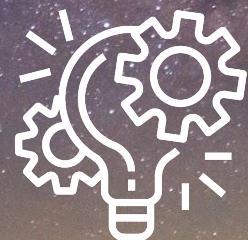
<https://github.com/uber/pyro>

<https://pyro.ai>

<https://lists.deeplearningfoundation.org/>

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

# Hosting Projects under the LF DL



# Creating sustainable open source projects requires real work



## LF DL Core Support Areas for Projects

- › Offer a legal framework for IP and trademark management in which commercial companies can work with open source projects and contributors
- › Offer technical services, such as software repositories and issue tracking, mailing lists, file servers, code signing certifications, technical mentorship, etc.
- › Offer support with business operations and governance, which includes financial and banking services, membership management, communications and PR around projects, and event services



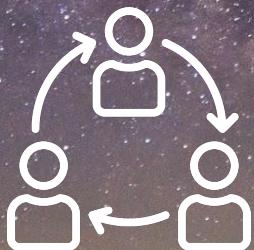
LF DL has a modular approach to hosting projects.

We encourage you to think of LF DL as a greenhouse growing and sustaining open source AI, ML and DL projects from seed to fruition. The Linux Foundation and LF DL 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 DL

- › The process to host projects under LF DL is simple and includes:
  - › Presenting the project to the LF DL Technical Advisory Council (TAC)
  - › Providing a proposal on hosting the project under LF DL  
(via Github: <https://github.com/LFDLFoundation/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 DL staff on integrating the project with the LF DL Foundation
- › Detailed requirements for hosting projects under the LF DL:  
<https://github.com/LFDLFoundation/proposing-projects>

# Getting Involved



# Ways to Get Involved with LF DL 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 DL projects
- Provide your testing and deployment feedback via appropriate project channel
- Start a local User Group Meetup

# Ways to Get Involved with LF DL Marketing & Outreach

Promotion of project updates,  
 releases, and news via LF DL 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 DL blog site

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

Contribute to the LF DL landscape, promote in talks

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

Volunteer to host an LF DL Day and Project developer events

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

Help secure user stories about LF DL based deployments

Support LF DL 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 DL; 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 DL Membership Badge

- › As an LF DL 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 DL artwork GitHub repo:  
<https://github.com/LFDLFoundation/artwork/tree/master/lfdl-membership-badge>



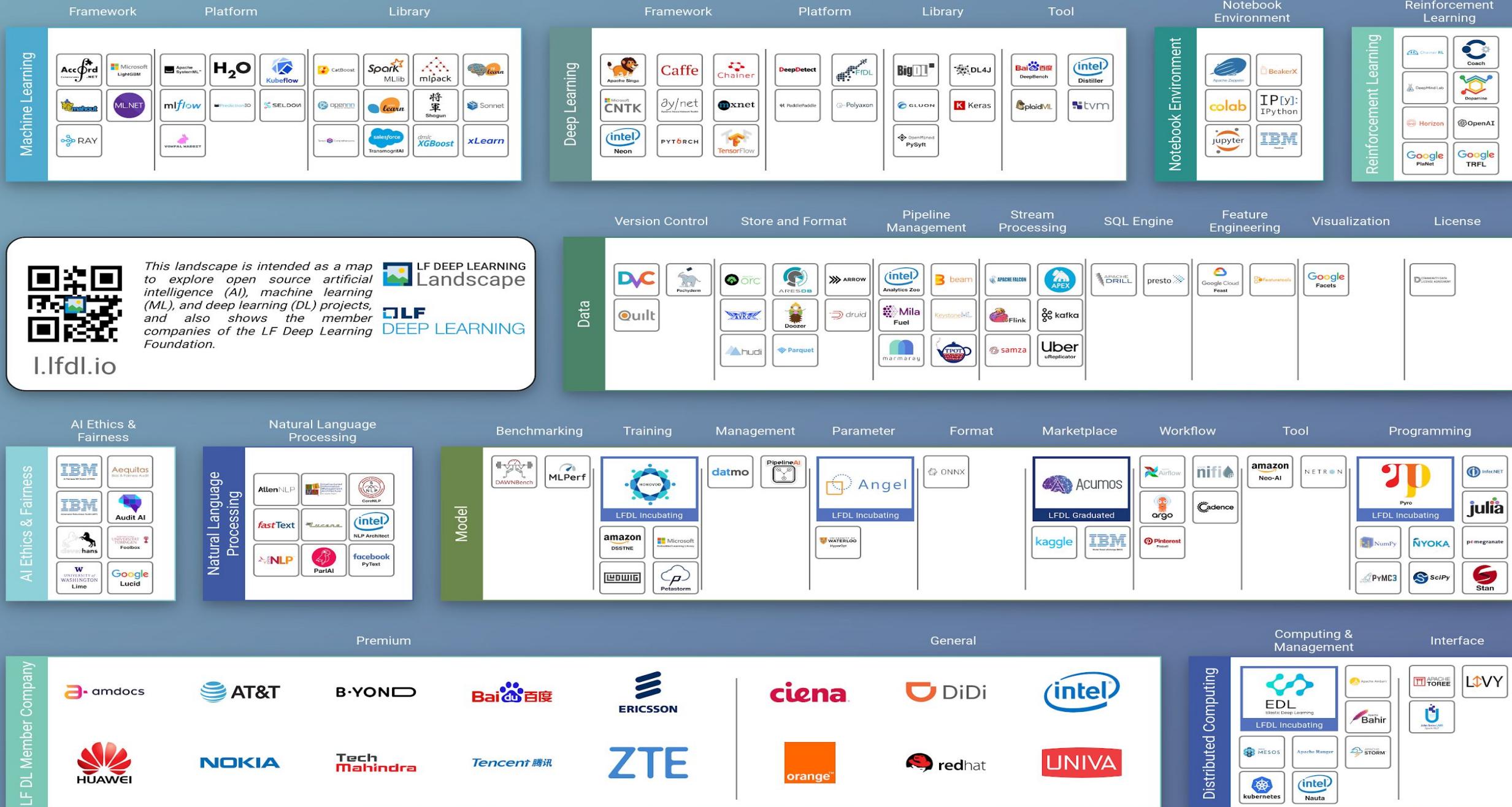
# Meet LF DL Staff at Upcoming Events

Open Source Leadership Summit	Half Moon Bay, CA	March 12-14
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

Please contact LF DL staff via [info@lfdl.io](mailto:info@lfdl.io) to confirm if LF DL will have a presence at an event that is not listed here.



PLEASE TRY THE LF  
DL INTERACTIVE  
LANDSCAPE:  
<https://l.lfdl.io> and  
help us improve it



# Getting Involved Guide

For Current and Prospect Members

Web site:	<a href="https://lfdl.io">https://lfdl.io</a>
Email:	<a href="mailto:info@lfdl.io">info@lfdl.io</a>
Twitter:	<a href="https://twitter.com/LFDeepLearning">@LFDeepLearning</a>
Landscape:	<a href="http://l.lfdl.io">http://l.lfdl.io</a>
GitHub:	<a href="https://github.com/LFDLFoundation">https://github.com/LFDLFoundation</a>

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