



TensorFlow Everywhere



Comunidade do TensorFlow

How to get involved?



Joana Carrasqueira

@Joanafilipa



TensorFlow Everywhere

Brasil

[Code](#) [Issues](#) 3.8k [Pull requests](#) 214 [Actions](#) [Projects](#) 1 [Security](#) 35 [Insights](#)[Pulse](#)[Contributors](#)[Community](#)[Commits](#)[Code frequency](#)[Dependency graph](#)[Network](#)[Forks](#)

Nov 1, 2015 – Feb 15, 2021

Contributions: Commits ▾

Contributions to master, excluding merge commits

**tensorflower-gardener**

23,381 commits 7,543,360 ++ 5,895,628 --

#1

**yongtang**

1,295 commits 29,994 ++ 8,513 --

#2





TensorFlow is an open source framework

TensorFlow Code of Conduct

In the interest of fostering an open and welcoming environment, we as contributors and maintainers pledge to making participation in our project and our community a harassment-free experience for everyone, regardless of age, body size, disability, ethnicity, gender identity and expression, level of experience, nationality, personal appearance, race, religion, or sexual identity and orientation.

Our Standards

Examples of behavior that contributes to creating a positive environment include:

- Using welcoming and inclusive language
- Being respectful of differing viewpoints and experiences
- Gracefully accepting constructive criticism
- Focusing on what is best for the community
- Showing empathy towards other community members



Thea Lamkin



Joana Carrasqueira



A transparência é
um valor muito
importante na
nossa
comunidade



TensorFlow RFCs

Transparency, consultation and documentation!

Community RFCs

tensorflow / community

Code Issues 33 Pull requests 33 Actions Projects 1 Security Insights

master community / rfcs / Go to file Add file ...

ematejska Merge pull request #335 from saxenasaurabh/cpp-gradients ... eb657a0 on Jan 13 History

..

20180821-differentiable-functional-while RFC: Functional while_loop (#13) 2 years ago

20190305-modular-tensorflow Modular tensorflow public design review. 2 years ago



RFC Project Board

84 RFCs aprovados até agora!

The screenshot shows the GitHub project board for the TensorFlow community repository. The top navigation bar includes links for Code, Issues (33), Pull requests (33), Actions, Projects (1), Security, and Insights. The Projects tab is currently selected. A progress bar indicates 'RFC management' is 100% complete, updated 10 hours ago. Below the projects, there are four main categories: 'Needs attention', 'Open reviews', 'Awaiting Committee Notes', and 'Accepted RFCs'. Each category contains specific RFC cards with details like title, number, status, and author.

Category	Count	Recent Activity
Needs attention	2	RFC: precise tfjs #190 opened by munsocket cla: yes
Open reviews	5	RFC: TensorFlow Build Improvements #179 opened by bmzhao RFC: Proposed, SIG Build, cla: yes
Awaiting Committee Notes	0	
Accepted RFCs	84	RFC: C++ Gradients #335 opened by saxonasaurabh RFC: Accepted, cla: yes

Thank you!



Temos recursos em várias línguas!

[tensorflow / docs-i10n](#)

[Code](#) [Issues 1](#) [Pull requests 81](#) [Security](#) [Insights](#)

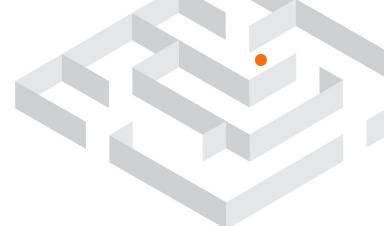
Branch: [master](#) / [docs-i10n](#) / [site](#) /

Create new file Find file History

		Latest commit f93e25a 2 days ago
..		
el	nbfmt notebooks without saved outputs	15 days ago
es	nbfmt notebooks without saved outputs	15 days ago
fr	Add 'site/fr/' from commit 'bac7eb0c0b4a0078dcabc4e3c6d5d7e3c4521445'	last month
id	nbfmt notebooks without saved outputs	15 days ago
it	fix button links	yesterday
ja	nbfmt notebooks with saved outputs	15 days ago
ko	Request to be added as reviewer	4 hours ago
pt	nbfmt notebooks without saved outputs	15 days ago
ru	nbfmt notebooks without saved outputs	15 days ago
tr	nbfmt notebooks without saved outputs	15 days ago
vi	Request to be added as reviewer	4 hours ago
zh-cn	Update Transformer URL	8 days ago



Conheça a nossa
comunidade!



A nossa Comunidade ...

167 ML GDEs	80 TFUGs	13 SIGs
3670 Developers	+20 Students Summer of Code	18 Spotlight Winners
12 Languages (Docs)	+2500 Contributors	+90.000 Commits
84 RFCs	2376 Certified Developers	+20 TF Everywhere Events



Visão geral da Comunidade

TFUGs | ML GDEs | SIGs





TensorFlow

User Groups



- 80 TFUGs
- 2 TFUGs no Brasil
- 35 países
- 28 TensorFlow Everywhere Events
- 9 línguas

Entre em contacto: tfug-help@tensorflow.org



- 167 ML GDEs
- 44 países
- 10 ML GDEs in Brasil
- 961 Palestras e Workshops
- Chegaram a +175K programadores

Mission to TensorFlow World

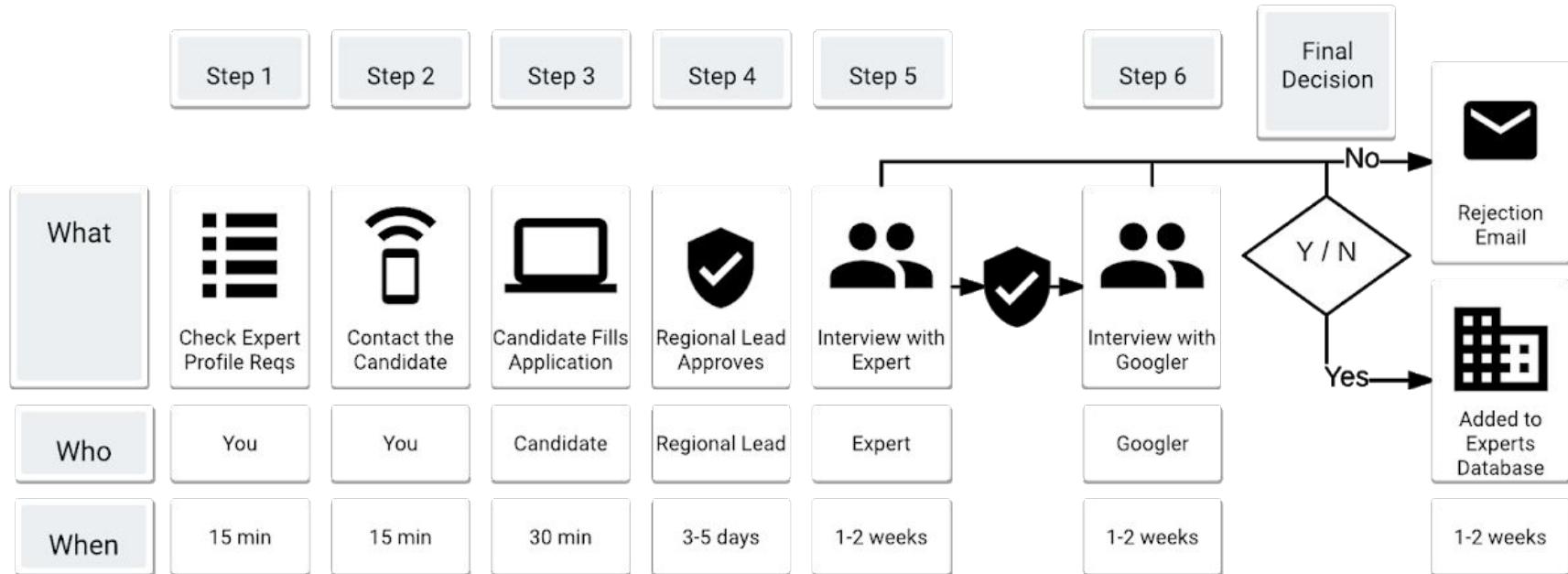


“I am the type of person that when I see a problem, I just want to solve the problem, and I just want to help.”

– Margaret Maynard-Reid



How to become a GDE?



<https://sites.google.com/corp/google.com/experts/refer-an-expert?authuser=0>

SIG Addons

TensorFlow

SIG Build

TensorFlow

SIG Networking

TensorFlow

SIG IO

TensorFlow

SIG Rust

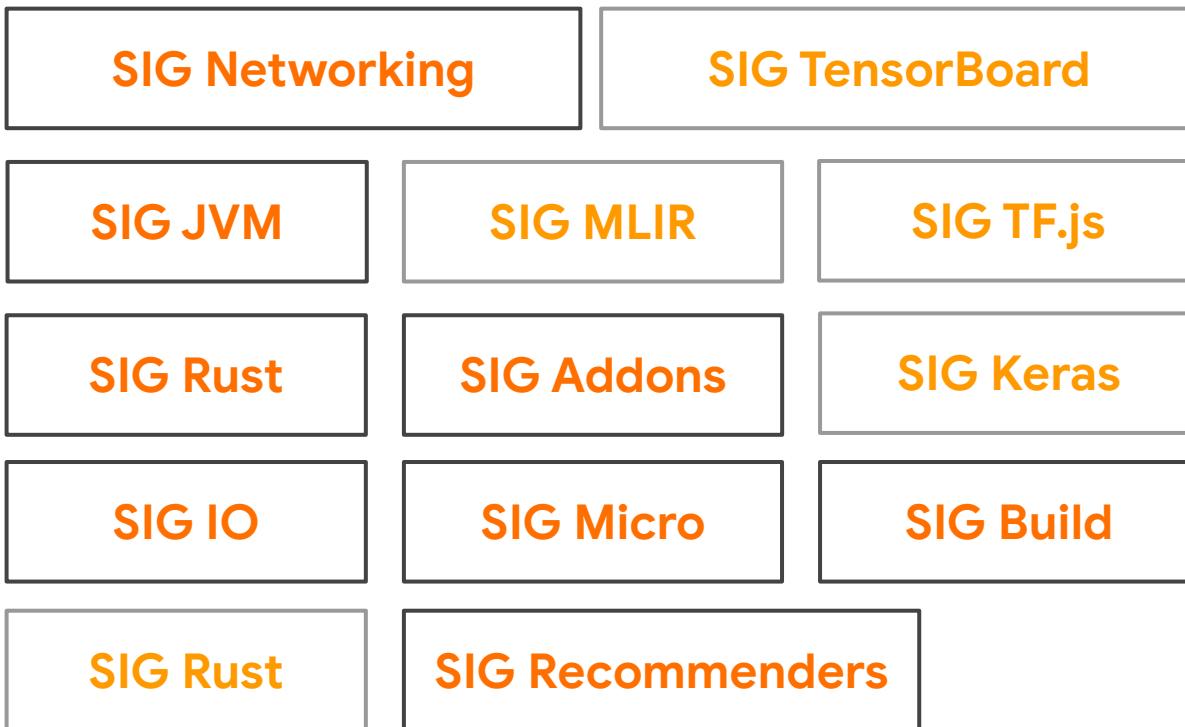
TensorFlow



- 13 SIGs ML
- +2500 contributors
- Monthly meetings
- Close collaboration with the TensorFlow Team



Contributor Ecosystem





SIG Addons

TensorFlow Addons is a repository of contributions that conform to well-established API patterns, but implement new functionality not available in core TensorFlow

- Evolved from tf.contrib
- Started from the need for a community led repository of extensions to core TF
- Well tested and highly used addons can be migrated to TensorFlow core



Sean Morgan
Tzu-Wei Sung



SIG Build

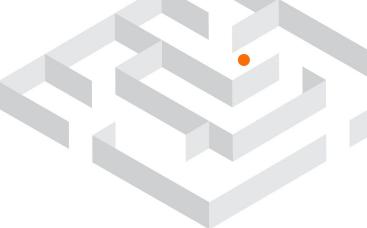
Focus on building, testing, packaging, and distributing TensorFlow, bridging internal and external TF development

- Central goal is to ensure TensorFlow is a good citizen in the wider OSS ecosystem (Python, C++, Linux, Windows, MacOS, etc)
- Are you planning to explore TF on a new platform? Let us know!



Jason Zaman

Austin Anderson



SIG JVM

Comprehensive support for building, training and serving Tensorflow models on top of Java Virtual Machine

- Development of high-level Java API to match Keras library in Python
- Streamline API for composable and reusable inference pipelines
- Unblock great TensorFlow features currently missing in the Java implementation



Karl Lessard



SIG Networking

Extend TensorFlow multi-node distribution with native support for HPC networking protocols and to lower the latency on networks allowing scaling of networks with many small layers.

- The SIG is looking for people who can help out with implementing and testing the implementations:
 - Including the design of large scale multi-node benchmarking suite.



Bairen Yi

Jeroen Bédorf



TensorFlow SIGs

Community

Join the TensorFlow Special Interest Groups (SIGs)

December 22, 2020

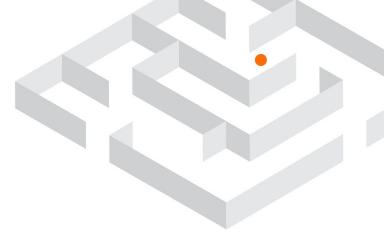


Posted by Joana Carrasqueira, TensorFlow Program Manager and Thea Lamkin, Open Source Program Manager, in collaboration with TensorFlow SIG Leads.

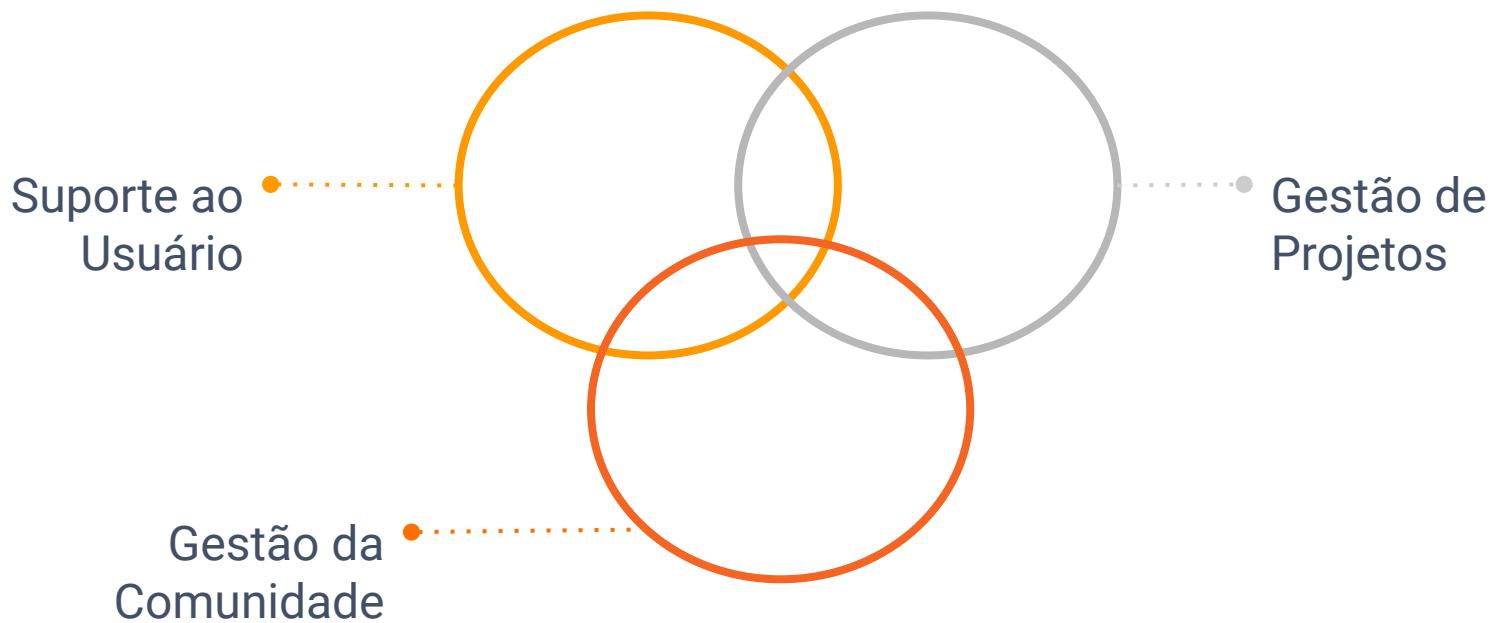
TensorFlow SIGs (Special Interest Groups) organize community contributions to key parts of the TensorFlow ecosystem, and enable community members to contribute and maintain new features in important areas.

SIG leads and members work together to build and support important TensorFlow use cases, and are a vital part of our open source community. It all started with the [SIG Build](#), and we now have [13 Active SIGs](#), with more on the way.

<https://blog.tensorflow.org/2020/12/join-tensorflow-special-interest-groups.html>

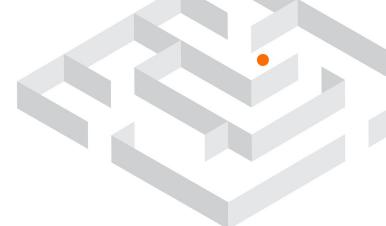


3 Pillars of non-code contributions





Participe nos
nossos programas
e aprenda mais
TensorFlow!



Aprenda mais sobre o TensorFlow...

We offer various courses to advance your knowledge



- TensorFlow: In Practice
- TensorFlow: Data and Deployment
- TensorFlow: Advanced Techniques



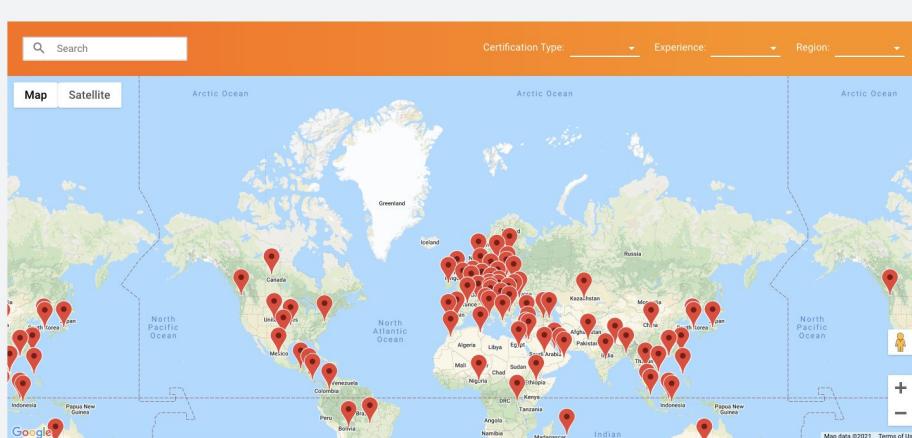
- Introduction to TensorFlow
- TensorFlow Lite

University Programs:

- Harvard launched a TinyML Certificate
- MIT launched introtodeeplearning.com
- Imperial launched a Coursera course
- Cardiff launched a Masters Degree in AI
- University of Hong Kong launched 2 TensorFlow courses

TensorFlow Certificate Network

Find TensorFlow Developers who have passed the certification exam to help you with your machine learning and deep learning tasks. This level one certificate exam tests a developer's foundational knowledge of integrating machine learning into tools and applications. The certificate program requires an understanding of building TensorFlow models using Computer Vision, Convolutional Neural Networks, Natural Language Processing, and real-world image data and strategies. You can learn more about this certificate program on our [website](#).



A world map centered on Europe and North America, showing numerous red location pins scattered across continents, indicating the global reach of the TensorFlow Certificate Network.

Profile	Name	Country	Experience
	Viren Luke Radhakrishnan	India	Experience: 2+ years
	Kinar R	India	Experience: 2+ years
	Priyanka Liz Kariati	India	Experience: > 5 years
	Prasad Pai	India	Experience: > 5 years
	TensorFlow Developer	Grant date: 7/3/20	Expiration date:
	TensorFlow Developer	Grant date: 3/6/20	Expiration date: 3/6/23
	TensorFlow Developer	Grant date: 3/6/20	Expiration date: 3/6/23
	TensorFlow Developer	Grant date: 3/6/20	Expiration date: 3/6/23
	Ahmed Aleshinloye	Canada	Experience: 1+ years
	Han Lin (林翰)	Taiwan	Experience: > 5 years
	Biranchi Narayan Nayak	Malaysia	Experience: > 5 years
	Qinghua Duan	China	Experience: > 5 years

Certificate in TensorFlow Development



Benefits include:

- Increase your proficiency in machine learning
- Be recognized by the community
- Showcase your skills
- Find talent in our TensorFlow Certificate Network

2376
Programadores
Certificados

21 no Brasil

Bolsas
disponíveis



TensorFlow Developer Certificate



Certificate in TensorFlow Development

Why? Give employers a benchmark to recognize TensorFlow certificate holders as skilled, qualified ML developers

What? Help developers demonstrate their level of proficiency in TensorFlow

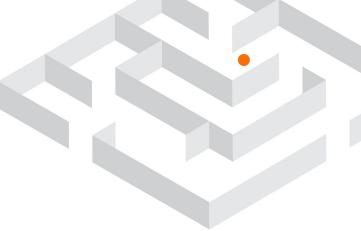
How? Take an exam that tests your skill at building machine learning models using TensorFlow.

More information: <https://www.tensorflow.org/certificate>



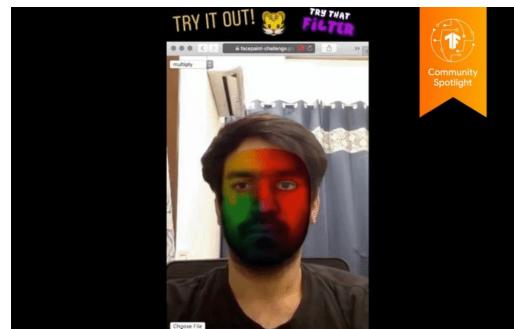
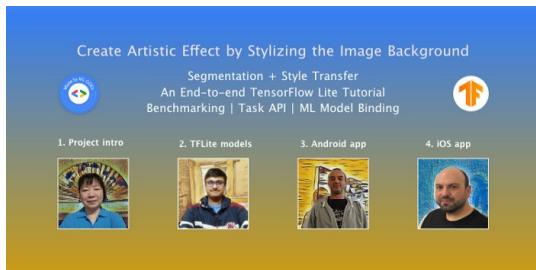
- Showcase your work and passion for ML and AI
- Learn from cool demos and new applications of TensorFlow
- Get recognition for your work!
- Get a chance to be featured on our social media channels!
- **18 winners** already recognized

[#TFCommunitySpotlight](#)

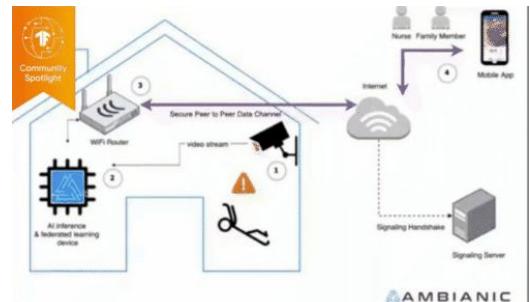


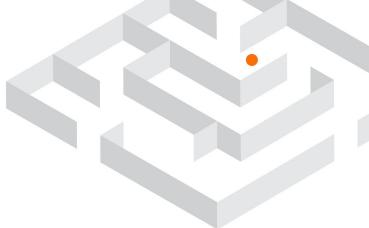
Community Spotlight Program

Do you have a cool TensorFlow Project you'd like to share?



Submit your project @ goo.gl/TFCS





Google Summer of Code

[ABOUT](#)[HOW IT WORKS](#)[HELP](#)[GET STARTED](#)[LOG IN](#)

16,000+ STUDENTS, 111 COUNTRIES
16 YEARS, 715 OPEN SOURCE ORGANIZATIONS

38,000,000+
LINES OF CODE

Google Summer of Code is a global program focused on bringing more student developers into open source software development. Students work with an open source organization on a 10 week programming project during their break from school.

[GET STARTED](#)



Working Group on Diversity

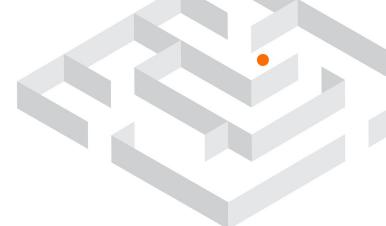
- Goal 1: Attract more women and candidates of diverse background to the ML Learning Program
- Goal 2: Provide mentoring for women in tech



Women
Techmakers

Agora vamos
conhecer a nossa
comunidade aqui
no Brasil!





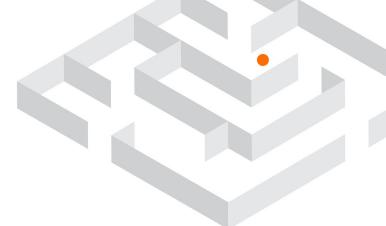
Brasil

Criando a comunidade do TensorFlow em Português!



TensorFlow Everywhere





Brasil

Criando a comunidade do TensorFlow em Português!



README.md

TensorFlow Docs Translations

This project contains translations of the technical content and Jupyter notebooks published on tensorflow.org.

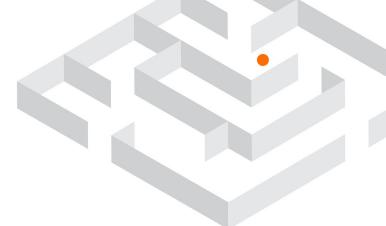
Please file issues under the *documentation* component of the [TensorFlow issue tracker](#). Questions about TensorFlow usage are better addressed on [Stack Overflow](#) or the discuss@tensorflow.org mailing list.

Contributing

We love patches! Contributors are encouraged to use our GitLocalize project to submit pull requests and reviews:
<https://gitlocalize.com/tensorflow/docs-l10n>

General docs instructions are available in the [TensorFlow docs contributor guide](#).

Please sign a [Contributor License Agreement](#) (CLA) to contribute to this Google open source project. Check [your existing CLA](#) and verify that your [email is set on git commits](#).



Brazil



A [Portal Telemedicina](#), aplicou o TensorFlow em diversas imagens. O sistema de Inteligência Artificial é capaz de analisar os dados e detectar anomalias nos exames, ajudando os médicos a trazer diagnósticos mais precisos.



A [N2B](#) é uma empresa de saúde SaaS que oferece a cada usuário, um programa nutricional e a experiência de ter acesso a um nutricionista 24/7.



Brazil

deônibus.

A DeÔnibus facilita a compra de passagem de ônibus comparando preços e horários de viagens! O **TensorFlow** ajuda a computar novos resultados de pesquisa com grande precisão.

Delfos
Intelligent Maintenance

A Delfos é uma plataforma SaaS que permite antecipar problemas e melhorar o conhecimento operacional de ativos na indústria petrolífera, gás e em energias renováveis.



Call to Action

Are you an expert in Machine Learning? → Join the ML GDE Program

Do you want to contribute to the parts of TF you care the most? → Join a SIG

Do you want to grow the community in Brazil? → Start a TFUG

Do you want to advance your career development? → Take the TF Certificate

Are you an educator at a high education institution? → Reach out to us to partner on the creation of a course

Did you build a cool model using TensorFlow? → Share it with the community and be featured on the Community Spotlight

Do you have a cool use case or implementation of TensorFlow? → Be featured on our blog!

Get social → Like, Comment, share and tag @tensorflow on Twitter



Follow us on Social Media!



twitter.com/TensorFlow

Get the latest and newest info



TensorFlow @TensorFlow
TensorFlow 2.1 now includes support for Cloud TPUs using Keras! This makes it possible to leverage petaflops of compute optimized for deep learning with the same user-friendly APIs familiar to the large community of Keras users.

Learn more here → goo.gle/2uUrNLL



blog.tensorflow.org

Go in-depth on launches, new features, and more

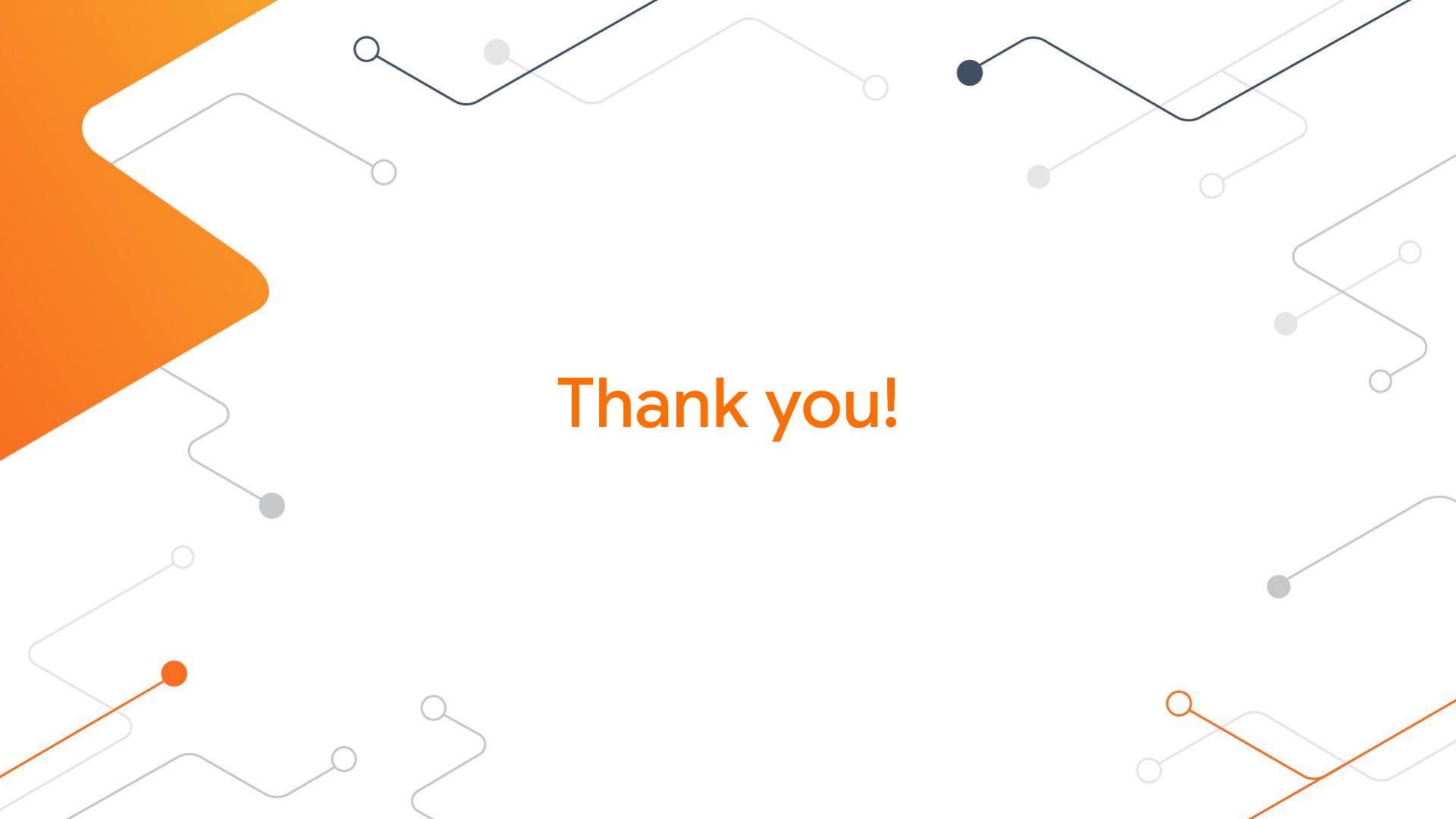
The screenshot shows a blog post on the TensorFlow Blog. The title is "Announcing TensorFlow Quantum: An Open Source Library for Quantum Machine Learning". The post features a diagram illustrating the workflow of TensorFlow Quantum, which includes steps like "Prepare Quantum Dataset", "Evaluate Quantum Model", "Sample or Average", "Evaluate Cost Function", and "Evaluate Gradients & Update Parameters". The TensorFlow logo is visible at the top left of the page.



youtube.com/tensorflow

Learn from the TensorFlow team





Thank you!