

# Program neural networks with TensorFlow

Learn everything that you need to know to demystify machine learning, from the first principles in the new programming paradigm to creating convolutional neural networks for advanced image recognition and classification that solve common computer-vision problems.

6 activities • 1 quiz



0% completed

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## The Hello World of Machine Learning

 Codelab *Optional*

Learn the basic 'Hello World' of machine learning where, instead of programming explicit rules in a language such as Java or C++, you'll build a system that is trained on data to infer the rules that determine a relationship between numbers

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Take codelab ...

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## Introduction to Computer Vision

 Codelab *Optional*

3

## Introduction to Convolutions



Codelab

Optional



4

## Convolutional Neural Networks (CNNs)



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Optional



5

## Complex Images



Codelab

Optional



6

## Use CNNs with larger datasets



Codelab

Optional



### Intro to Tensorflow Quiz

Take the TensorFlow quiz to earn the TensorFlow badge. You must answer 3 of the 4 questions correctly.

[Take the quiz ...](#)