



## 4 Courses

**Introduction to TensorFlow  
for Artificial Intelligence,  
Machine Learning, and Deep  
Learning**

**Convolutional Neural  
Networks in TensorFlow**

**Natural Language  
Processing in TensorFlow**

**Sequences, Time Series and  
Prediction**



deeplearning.ai

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**GUANGMIN CUI**

has successfully completed the online, non-credit Professional Certificate

# DeepLearning.AI TensorFlow Developer

Congratulations! You have completed all 4 courses of the DeepLearning.AI TensorFlow Developer Professional Certificate program. As part of this Professional Certificate program, you have learned: how to build and train neural networks using TensorFlow, how to improve network performance using convolutions as you train it to identify real-world images, how to teach machines to understand, analyze, and respond to human speech with natural language processing systems, and more! These, and other TensorFlow concepts, are going to be at the forefront of the coming transformation to an AI-powered future.

Laurence Moroney  
Lead AI Advocate  
Google

Andrew Ng  
Founder  
DeepLearning.AI

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