PRACTICA ACADÉMICA ESPECIAL

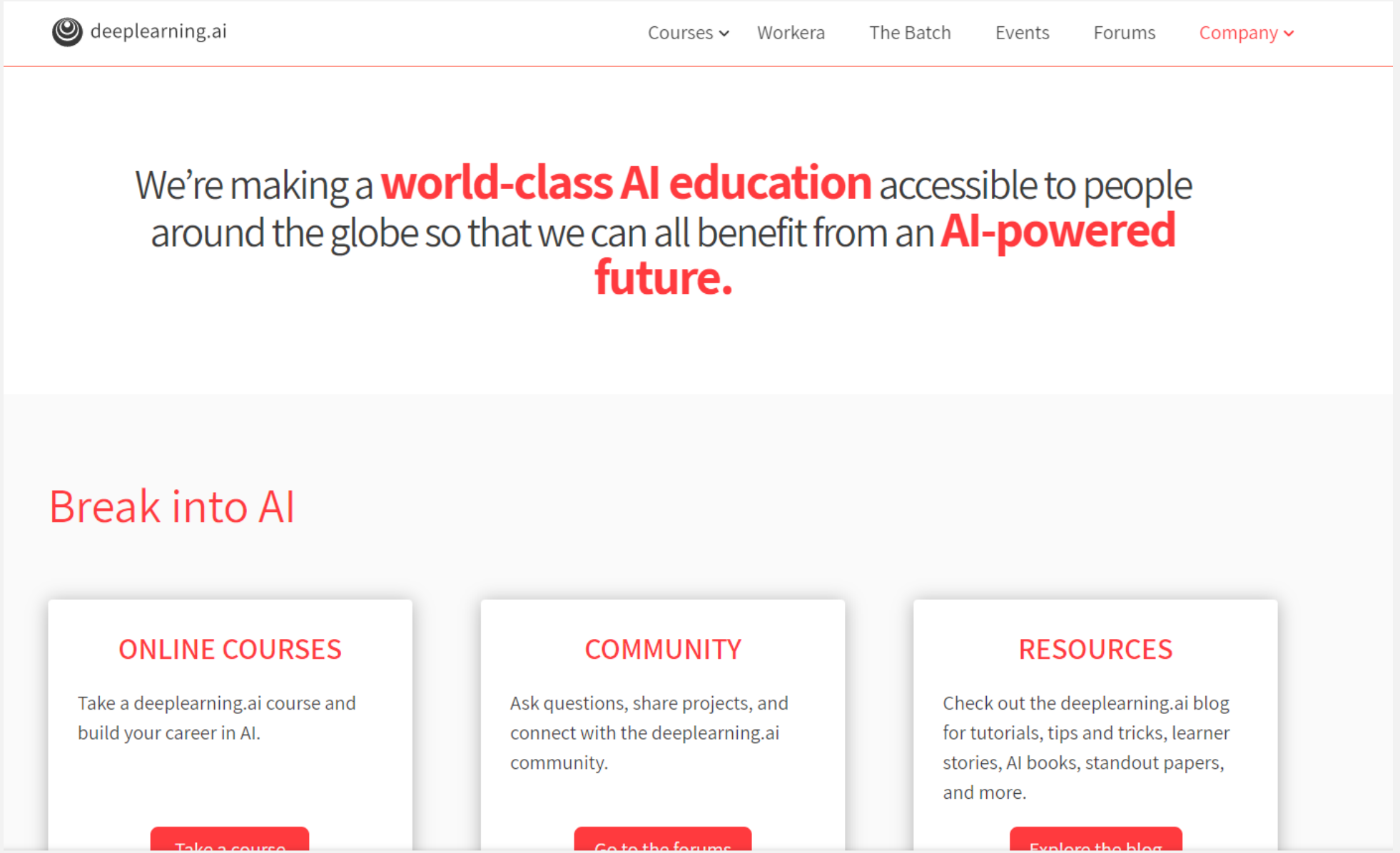
Profesor: Luis Fernando Carvajal

Camilo Gutierrez Ramírez

INSTRUCTOR

- Profesor de Stanford University y director del laboratorio de Inteligencia Artificial en Stanford
- Fundador de Coursera. Uno de los cursos de Machine Learning mas visto en internet

www.deeplearning.ai



DEEP LEARNING

- "This five-course specialization will help you understand Deep Learning fundamentals, apply them, and build a career in AI."

TensorFlow

Course 1
Neural Networks and Deep Learning

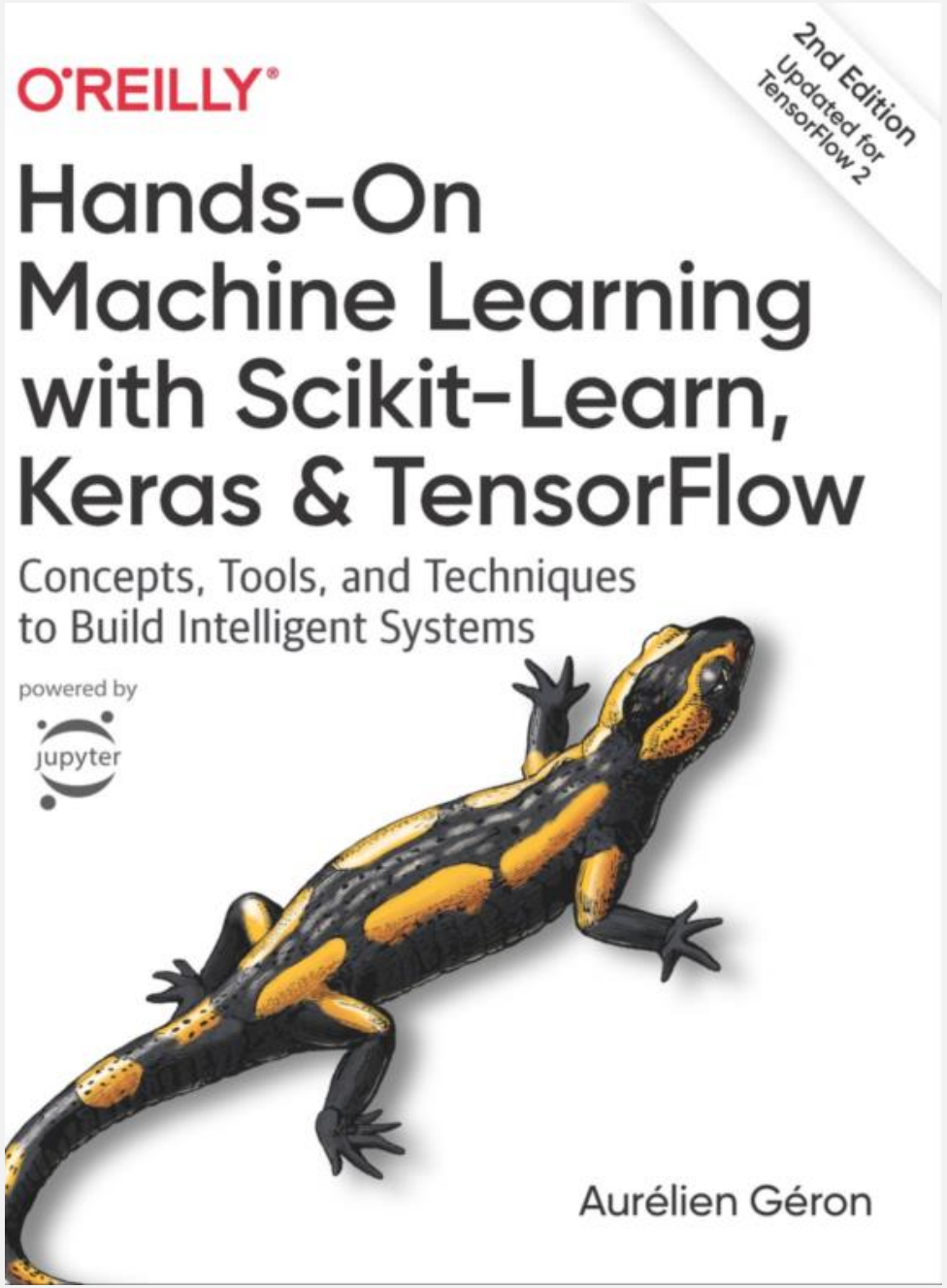
Course 2
Improving Deep Neural Networks

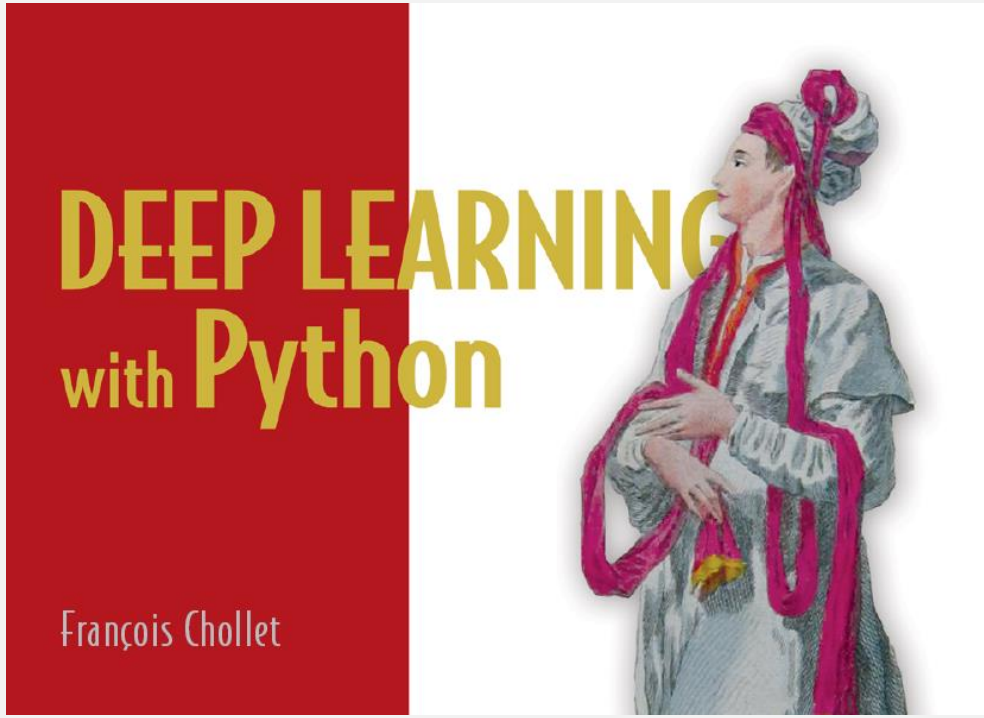
Course 3
Structuring Machine Learning Projects

Course 4
Convolutional Neural Networks

Course 5
Sequence Models

Recurrent Neural Network RNN


O'REILLY
2nd Edition
Updated for TensorFlow 2
Hands-On Machine Learning with Scikit-Learn, Keras & TensorFlow
Concepts, Tools, and Techniques to Build Intelligent Systems
powered by
jupyter
Aurélien Géron


DEEP LEARNING with Python
François Chollet

NOTAS Y CONTENIDO EN LÍNEA

- https://github.com/camilogutierrez/MachineLearning#machine-learning
- Quices semanales

Programa Académico Especial PAE

Machine Learning

Introducción al análisis de datos con técnicas de inteligencia artificial.

Profesor: Luis Fernando Carvajal Serna.

Contenidos

Introduccion

1. Neural Networks and Deep Learning

Notas del curso

- Homework 0: Python
- Homework 1: Logistic Regression as a Neural Network
- Homework 2: One hidden layer
- Homework 3: Deep_Neural_Network_Step_by_Step
- Deep Neural Application

2. Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

Notas del curso

- Homework 1: Initialization
- Homework 2: Regularization