

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

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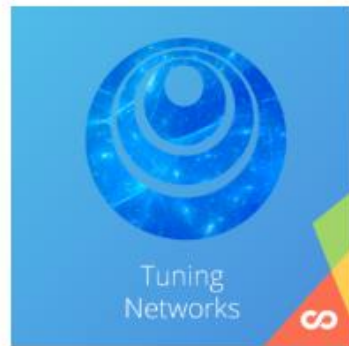
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DEEP LEARNING

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



Course 1
Neural Networks and
Deep Learning



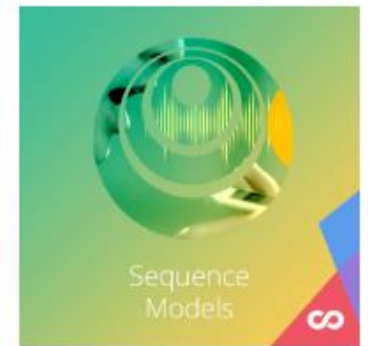
Course 2
Improving Deep Neural
Networks



Course 3
Structuring Machine
Learning Projects



Course 4
Convolutional Neural
Networks



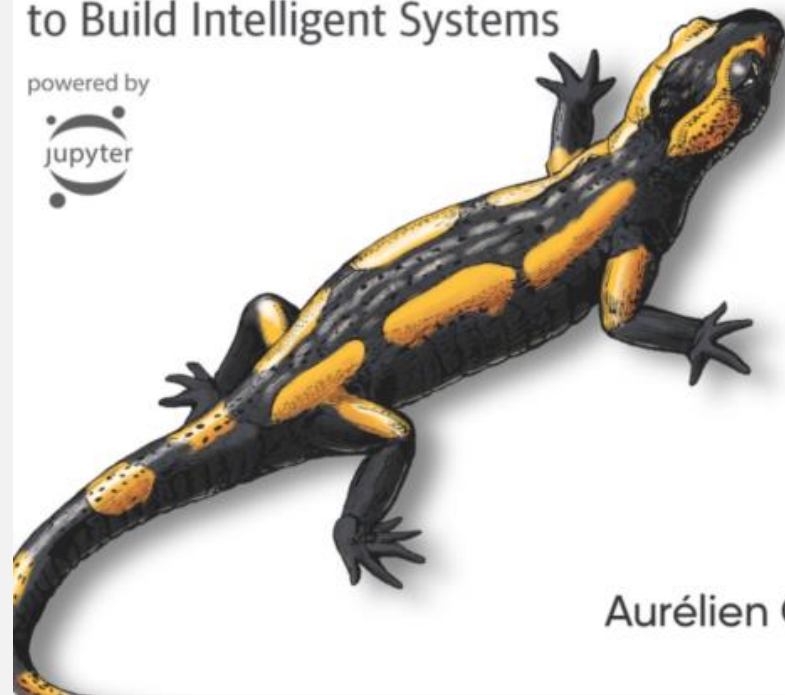
Course 5
Sequence Models
Recurrent Neural Network RNN

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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

Introducción

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](#)