



**Stanford** | ONLINE

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**Christos Giannakopoulos**

has successfully completed

**Unsupervised Learning, Recommenders,  
Reinforcement Learning**

an online non-credit course authorized by DeepLearning.AI and Stanford University and  
offered through Coursera

A handwritten signature in black ink, appearing to read 'Andrew Ng'.

Andrew Ng  
Founder, DeepLearning.AI and Adjunct Professor, Stanford University

**COURSE  
CERTIFICATE**



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