



08/22/2017

上 姜

has successfully completed

## Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

an online non-credit course authorized by deeplearning.ai and offered through  
Coursera

A handwritten signature in blue ink, reading "Andrew Ng".

Adjunct Professor Andrew Ng  
Computer Science Department  
Stanford University

## COURSE CERTIFICATE



Verify at [coursera.org/verify/MUAZEGA6W6UB](https://coursera.org/verify/MUAZEGA6W6UB)

Coursera has confirmed the identity of this individual and  
their participation in the course.