



May 22, 2019

Renzo Phellan

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

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/T5CJX9SKMZTA

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