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## Beier Liu

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

Adjunct Professor Andrew Ng Computer Science

## COURSE CERTIFICATE



Verify at coursera.org/verify/TBFC2PWCY2GY

Coursera has confirmed the identity of this individual and  $\mbox{their participation in the course}. \label{eq:course}$