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# Ziyuan Pan

has successfully completed

## Neural Networks for Machine Learning

an online non-credit course authorized by University of Toronto and offered through Coursera

A handwritten signature in black ink that reads "Geoffrey Hinton".

Geoffrey E. Hinton  
Department of Computer Science  
University of Toronto

### COURSE CERTIFICATE



Verify at [coursera.org/verify/ZXQKZ4CBPFGS](https://coursera.org/verify/ZXQKZ4CBPFGS)  
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