3 Courses

Build Basic Generative Adversarial Networks (GANs)

Build Better Generative Adversarial Networks (GANs)

Apply Generative Adversarial Networks (GANs)

Sep 4, 2022

# Mohammad Reza Shafie

has successfully completed the online, non-credit Specialization

# Generative Adversarial Networks (GANs)

Congratulations! You have completed all 3 courses of Generative Adversarial Networks - a DeepLearning.AI Specialization. As part of this Specialization, you have learned the classical machine learning skills and the state-of-the-art deep learning techniques needed to build GANs models. You are now equipped to design applications that perform image generation and image-to-image translation using GANs! These, and other generative applications, are going to be at the forefront of the coming transformation to an AI-powered future.

Sharon Zhou
Course Instructor
DeepLearning.AI



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3 Courses

**Supervised Machine Learning: Regression and Classification**

**Advanced Learning Algorithms**

**Unsupervised Learning, Recommenders, Reinforcement Learning**

Stanford University

Sep 17, 2022

# Mohammad Reza Shafie

has successfully completed the online, non-credit Specialization

# Machine Learning

Congratulations on completing all three courses of the Machine Learning Specialization! You studied modern machine learning concepts, including supervised learning (linear regression, logistic regression, neural networks, decision trees), unsupervised learning (clustering, anomaly detection), recommender systems, and reinforcement learning. You learned some of the best practices for building machine learning models. You've also gained practical skills to apply machine learning techniques to challenging real-world problems. Now #BreakIntoAI and start building your career in machine learning!

Andrew Ng, Instructor, DeepLearning.AI
Eddy Shyu, Curriculum Architect, DeepLearning.AI
Aarti Bagul and Geoff Ladwig, Curriculum Engineers, DeepLearning.AI



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UNIVERSITY OF MICHIGAN

COURSE CERTIFICATE

Aug 18, 2022

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## Applied Machine Learning in Python

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

Kevyn Collins-Thompson
Associate Professor
School of Information


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UC SANTA CRUZ

COURSE CERTIFICATE

Aug 19, 2022

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## C for Everyone: Programming Fundamentals

an online non-credit course authorized by University of California, Santa Cruz and offered through Coursera

Professor Ira Pohl, PhD
Baskin School of Engineering
University of California, Santa Cruz


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DeepLearning.AI

COURSE CERTIFICATE

Aug 24, 2022

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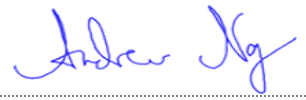
## Convolutional Neural Networks

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



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Younes Bensouda Mourri, Instructor of AI, Stanford University


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

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


Andrew Ng, Founder, DeepLearning.AI & Co-founder, Coursera
Kian Katanforoosh, Co-founder, Workera
Younes Bensouda Mourri, Instructor of AI, Stanford University

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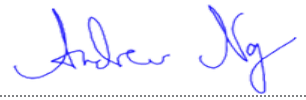
## Neural Networks and Deep Learning

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



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## Structuring Machine Learning Projects

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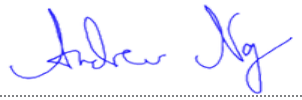

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# Deep Learning Specialization

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