4 Courses

Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

Convolutional Neural Networks in TensorFlow

Natural Language Processing in TensorFlow

Sequences, Time Series and Prediction

Sep 25, 2020

Lu Htoo Kyaw

has successfully completed the online, non-credit Professional Certificate

DeepLearning.AI TensorFlow Developer

Congratulations! You have completed all 4 courses of the DeepLearning.AI TensorFlow Developer Professional Certificate program. As part of this Professional Certificate program, you have learned: how to build and train neural networks using TensorFlow, how to improve network performance using convolutions as you train it to identify real-world images, how to teach machines to understand, analyze, and respond to human speech with natural language processing systems, and more! These, and other TensorFlow concepts, are going to be at the forefront of the coming transformation to an AI-powered future.

Laurence Moroney
Lead AI Advocate
Google

Andrew Ng
Founder
DeepLearning.AI

Verify this certificate at:
coursera.org/verify/professional-cert/F5ZGQ824QGUQ

5 Courses

- **Introduction to Data Science in Python**
- **Applied Plotting, Charting & Data Representation in Python**
- **Applied Machine Learning in Python**
- **Applied Text Mining in Python**
- **Applied Social Network Analysis in Python**

Jul 2, 2020

Lu Htoo Kyaw

has successfully completed the online, non-credit Specialization

Applied Data Science with Python

The 5 courses in this University of Michigan specialization introduce learners to data science through the python programming language. This skills-based specialization is intended for learners who have a basic python or programming background, and want to apply statistical, machine learning, information visualization, and text analysis techniques to gain new insight into their data. In the final course, students will work on real-world data analysis projects, building a portfolio which showcases their work while at the same time helping real clients gain a better understanding of their data.

Christopher Brooks
Research Assistant Professor
School of Information

Kevyn Collins-Thompson
Associate Professor
School of Information

Daniel Romero, Ph.D.
Assistant Professor
School of Information
University of Michigan

V. G. Vinod Vydiswaran
Assistant Professor
School of Information

Verify this certificate at:
coursera.org/verify/specialization/H8HDLSL7AMNU

3 Courses

Build Basic Generative Adversarial Networks (GANs)

Build Better Generative Adversarial Networks (GANs)

Apply Generative Adversarial Networks (GANs)

Jan 12, 2021

Lu Htoo Kyaw

has successfully completed the online, non-credit Specialization

Generative Adversarial Networks (GANs)

Sharon Zhou
Course Instructor
DeepLearning.AI

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.

Verify this certificate at:
coursera.org/verify/specialization/LG6Z86YY3EWU

5 Courses

- **Python Basics**
- **Python Functions, Files, and Dictionaries**
- **Data Collection and Processing with Python**
- **Python Classes and Inheritance**
- **Python Project: pillow, tesseract, and opencv**

Aug 15, 2020

Lu Htoo Kyaw

has successfully completed the online, non-credit Specialization

Python 3 Programming

This specialization teaches the fundamentals of programming in Python 3. We will begin at the beginning, with variables, conditionals, and loops, and get to some intermediate material like keyword parameters, list comprehensions, lambda expressions, and class inheritance. You will have lots of opportunities to practice. You will also learn ways to reason about program execution, so that it is no longer mysterious and you are able to debug programs when they don't work. By the end of the specialization, you'll be writing programs that query Internet APIs for data and extract useful information from them. And you'll be able to learn to use new modules and APIs on your own by reading the documentation. That will give you a great launch toward being an independent Python programmer.

Steve Oney
Assistant Professor
School of Information

Paul Resnick
Michael D. Cohen
Collegiate Professor
School of Information

Jaclyn Cohen
Lecturer
School of Information

Christopher Brooks
Research Assistant
Professor
School of Information

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3 Courses

Understanding and Visualizing Data with Python

Inferential Statistical Analysis with Python

Fitting Statistical Models to Data with Python

UNIVERSITY OF MICHIGAN

Jul 24, 2020

Lu Htoo Kyaw

has successfully completed the online, non-credit Specialization

Statistics with Python

This specialization is designed to teach learners beginning and intermediate concepts of statistical analysis, and use of the Python programming language to conduct data analyses. Learners will learn where data come from, what types of data can be collected, how to effectively summarize and visualize data, how to utilize data for estimation and assessing theories, proper interpretations of inferential results, and how to apply more advanced statistical modeling procedures.

Brenda Gunderson, Ph.D., Lecturer IV

Kerby Shedden, Ph.D., Professor

Brady T. West, Ph.D., Research Associate Professor

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:
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5 Courses

Neural Networks and Deep Learning

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization

Structuring Machine Learning Projects

Convolutional Neural Networks

Sequence Models

Sep 14, 2020

Lu Htoo Kyaw

has successfully completed the online, non-credit Specialization

Deep Learning

Congratulations! You have completed all 5 courses of the Deep Learning Specialization. In this Specialization, you built neural network architectures such as Convolutional Neural Networks, Recurrent Neural Networks, LSTMs, Transformers, and learned how to make them better with strategies such as Dropout, BatchNorm, and Xavier/He initialization. You mastered these theoretical concepts, learned their industry applications using Python and TensorFlow, and tackled real-world cases such as speech recognition, music synthesis, chatbots, machine translation, natural language processing, and more. You are now familiar with the capabilities and challenges of deep learning. You are ready to take the definitive step in the world of AI and participate in the development of leading-edge technology.

Andrew Ng,
Founder,
DeepLearning.AI

Kian Katanforoosh
Co-founder, Workera

Younes Bensouda Mourri
Instructor of AI,
Stanford University

Verify this certificate at:
coursera.org/verify/specialization/YB5FJEBQPBWC