

HANDS-ON AI TRAINING

Get started with deep learning and accelerated computing.



TRAINING AT GTC

Powered by Microsoft Azure

Get the hands-on experience you need to transform the future of AI and accelerated computing with the [NVIDIA Deep Learning Institute \(DLI\)](#) and other industry leading organizations.

Through hands-on instructor-led and self-paced training, you'll learn how to apply deep learning to solve the world's most challenging problems in autonomous vehicles, digital content creation, healthcare, finance, and more.

Developers who attend a full-day workshop on Sunday, March 17 are eligible for certification in AI or Accelerated Computing.

[VIEW PRICING](#)

DLI WORKSHOPS WITH CERTIFICATION

Attend a full-day, hands-on workshop on Sunday, March 17 led by a DLI certified instructor. All attendees are eligible for certification upon assessment of course competency.

Space is limited. Add the DLI workshop pass to any GTC conference pass for \$350.

[Note: Instructor-led training sessions during the week of GTC are only open to Conference & Training passholders.]

FUNDAMENTALS OF DEEP LEARNING FOR COMPUTER VISION

Explore the fundamentals of deep learning by training neural networks and using results to improve performance and capabilities. You'll learn how to solve real-world problems using deep learning.

FUNDAMENTALS OF DEEP LEARNING FOR NATURAL LANGUAGE PROCESSING

Explore the latest techniques for understanding textual input using natural language processing (NLP). You'll learn how to convert text to machine understandable representation and train Machine Translators from one

FUNDAMENTALS OF DEEP LEARNING FOR MULTI-GPUS

Explore how to use multiple GPUs to train neural networks for AI applications with large computational requirements, significantly shortening the time required to train lots of data.

language to another.

DEEP LEARNING FOR INTELLIGENT VIDEO ANALYTICS

Smart cities collect huge amounts of video footage that require advanced deep learning techniques to transform data into actionable insights. Learn how to deploy object detection and neural networks to work on real-time, large-scale video streams.

DEEP LEARNING FOR ROBOTICS

Explore how to create robotic solutions on an NVIDIA Jetson for embedded applications by applying computer vision models to perform detection and training a robot to actuate the correct output.

FUNDAMENTALS OF ACCELERATED COMPUTING WITH CUDA PYTHON

Explore how to use Numba—the just-in-time, type-specializing Python function compiler—to create and launch CUDA kernels to accelerate Python programs on massively parallel NVIDIA GPUs.

[VIEW DETAILS](#)

[PURCHASE PASS](#)

INSTRUCTOR-LED TRAINING

Join instructor-led training sessions on AI and accelerated computing from Monday through Thursday. Led by DLI certified instructors, these two-hour training sessions will teach you how to apply specific concepts or techniques to your work.

Purchase a Conference & Training pass to attend. Remember to reserve your seat by adding the session to your schedule on the GTC app.

Here are a few popular hands-on training sessions:

ACCELERATED DATA SCIENCE PIPELINE WITH RAPIDS ON AZURE

Explore how to use RAPIDS to accelerate the data science pipeline using Microsoft Azure Portal and Azure Machine Learning (AML) SDK.

BUILDING A REINFORCEMENT LEARNING AGENT IN STARCRRAFT 2

Learn how to train a deep reinforcement learning agent to play Starcraft 2 and how to create AI agents for simulation environments.

TRAINING SEMANTIC SEGMENTATION FOR NVIDIA DRIVE

Get hands-on experience training a fully convolutional network for semantic segmentation tasks in self-driving cars using NVIDIA DRIVE.

[VIEW SCHEDULE](#)

SELF-PACED TRAINING

Get started with self-paced training in deep learning and accelerated computing. DLI gives you access to a fully configured, GPU-accelerated workstation in the cloud, complete with software tools, neural networks, and datasets.

Self-paced training is open to all attendees during show hours on Monday through Thursday. No Conference & Training pass required.



DEEP
LEARNING
INSTITUTE

WANT MORE TRAINING?

The NVIDIA Deep Learning Institute offers hands-on training for developers, data scientists, and researchers looking to solve the world's most challenging problems with deep learning and accelerated computing.

[LEARN MORE](#)

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