

Deep Learning for Digital Content Creation

Duration

8 hours

Modality

- Instructor-led
- Online ILT

Course Number

- MR-1CN-DLDCC
- MR-1LN-DLDCC

OVERVIEW

This workshop provides hands-on training on the latest techniques for designing, training and deploying neural networks for digital content creation.

Successful completion of this course will enable participants to:

- Train a Generative Adversarial Network (GAN) to generate images
- Visualize the feature space and use attribute vector to generate image analogies
- Transfer the look and feel of one image to another image by extracting distinct visual features
- Explore the architectural innovations and training techniques used to make arbitrary video style transfer
- See the possibilities of automatic character creation using
- Phase-functioned Neural Networks
- Train a character to move fluidly over different terrains

COURSE OUTLINE

- AI for Graphics
- **Lab:** Image Creation using Generative Adversarial Networks with
- **Lab:** TensorFlow and DIGITS
- **Lab:** Image Style Transfer with Torch
- **Lab:** Character Animation using Phase-Functioned Neural Networks
- Closing Comments & Questions

MODALITIES

This course is currently available in the following formats:

Classroom

Traditional classroom training, with hands-on labs or case-studies, delivered at one of our many training centers worldwide, by a highly qualified Dell Technologies instructor.

Virtual Class

A real-time interactive training experience where students participate online to access the Classroom virtual classroom. Lecture, discussion, questions and answers, and lab exercises make this a rich and flexible training experience.

CONTACT US

Engage your local Education Services Account Manager for local pricing information and scheduling classes. Visit us online at education.dell.com or call +1 888 362 8764 (US).