

Perception for Autonomous Vehicles

Course Description

Course Duration
8 Hours

Overview

In this course, you'll learn how to design, train, and deploy deep neural networks for autonomous vehicles using the NVIDIA DRIVE™ PX2 development platform.

Course Objectives

Upon completion of this course, students will be able to create and optimize perception components for autonomous vehicles using DRIVE PX2.

Course Prerequisites:

Fundamentals of Deep Learning for Computer Vision' or similar deep learning experience

Course Outline

- Integrate sensor input using the DriveWorks software stack
- Train a semantic segmentation neural network
- Optimize, validate, and deploy a trained neural network using TensorRT

Course Delivery Options

This course is currently available in the following formats:



MR-1CN-PAV: Instructor led - includes hands-on lab exercises that reinforce the concepts covered in lectures.



MR-1LN-PAV: Online ILT - Live course delivered via the internet where participants attend virtual classroom interacting with instructors and other participants. A headset with microphone is REQUIRED to speak with the instructor and the rest of the class. Text communication is also available through the virtual classroom.

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