HEALTH INNOVATION DRIVEN BY COMPUTING
AI IS EVERYWHERE

Transportation

Healthcare

Society
THE EXPANDING UNIVERSE OF MODERN AI

"THE BIG BANG"
Big Data
GPU
Algorithms

RESEARCH

CORE TECHNOLOGY / FRAMEWORKS

AI-as-a-PLATFORM

START-UPS

$5B IN FUNDING

Source: Venture Scanner
DEEP LEARNING ACROSS HEALTHCARE

Life Sciences & Drug Development

Genomics

Medical Imaging & Electronic Health Records
NVIDIA DGX-1
AI Supercomputer-in-a-Box

170 TFLOPS | 8x Tesla P100 16GB | NVLink Hybrid Cube Mesh
2x Xeon | 8 TB RAID 0 | Quad IB 100Gbps, Dual 10GbE | 3U – 3200W
Instant productivity — plug-and-play, supports every AI framework

Performance optimized across the entire stack

Always up-to-date via the cloud

Mixed framework environments — containerized

Direct access to NVIDIA experts
NVIDIA DIGITS
Interactive Deep Learning GPU Training System

Process Data
Configure DNN
Monitor Progress
Visualize Layers

developer.nvidia.com/digits
DIGITS FOR MEDICAL IMAGING

DETECTION

SEGMENTATION

CLASSIFICATION
FUTURE OF DEEP LEARNING

Data

Complex Architectures

Real Time Everywhere
CUDA BOOSTS DEEP LEARNING PERFORMANCE 5X IN 2 YEARS

AlexNet training throughput based on 20 iterations,
CPU: 1x E5-2680v3 12 Core 2.5GHz. 128GB System Memory, Ubuntu 14.04
DEEP LEARNING PERFORMANCE
60X IN 3 YEARS

AlexNet training throughput on:
CPU: 1x E5-2680v3 12 Core 2.5GHz, 128GB System Memory, Ubuntu 14.04
M40 bar: 8x M40 GPUs in a node, P100: 8x P100 NVLink-enabled
See the latest AI research in healthcare - from genomics and medical imaging to drug discovery. You’ll learn about the state of the art deep learning techniques used in healthcare.
CONNECT
Connect with technology experts from NVIDIA and other leading organizations

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Gain insight and valuable hands-on training through hundreds of sessions and research posters

DISCOVER
See how GPU technologies are creating amazing breakthroughs in important fields such as deep learning

INNOVATE
Hear about disruptive innovations as early-stage companies and startups present their work

JOIN THE ACTION! PRESENT A TALK, LAB OR POSTER AT GTC 2017. APPLY AT WWW.GPUTECHCONF.COM

Don’t miss the world’s most important event for GPU developers
May 8 - 11, 2017 in Silicon Valley