



MLSteam MLOps System Platform

Eric Chen 陳明江 PhD
eric@myelintek.com
0920-603351

You focus on your AI mission.
We handle the AI environment for you.

AI System Software Company

spun-off from [ITRI](#) since 2020

Products: MLSteam

- AI/ML Training System
- AI/ML Inferencing System
- AI/ML Lifecycle Management System (MLOps)

Service

- Large-scale System Design and Implementation

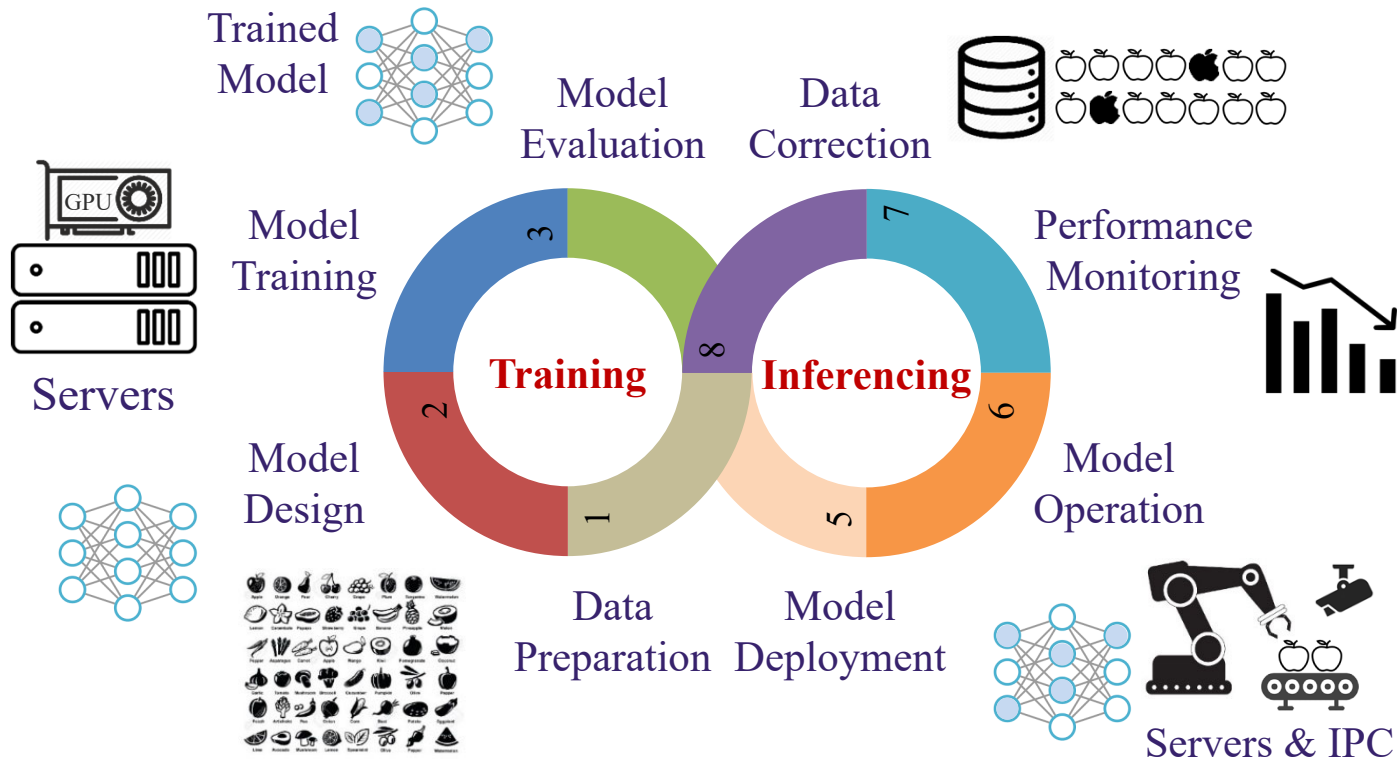
Rm. 202, Bldg. 1, No. 321, Sec. 2, Guangfu Rd., Hsinchu, Taiwan

contact@myelintek.com

<https://www.myelintek.com/>



AI/ML Workflow

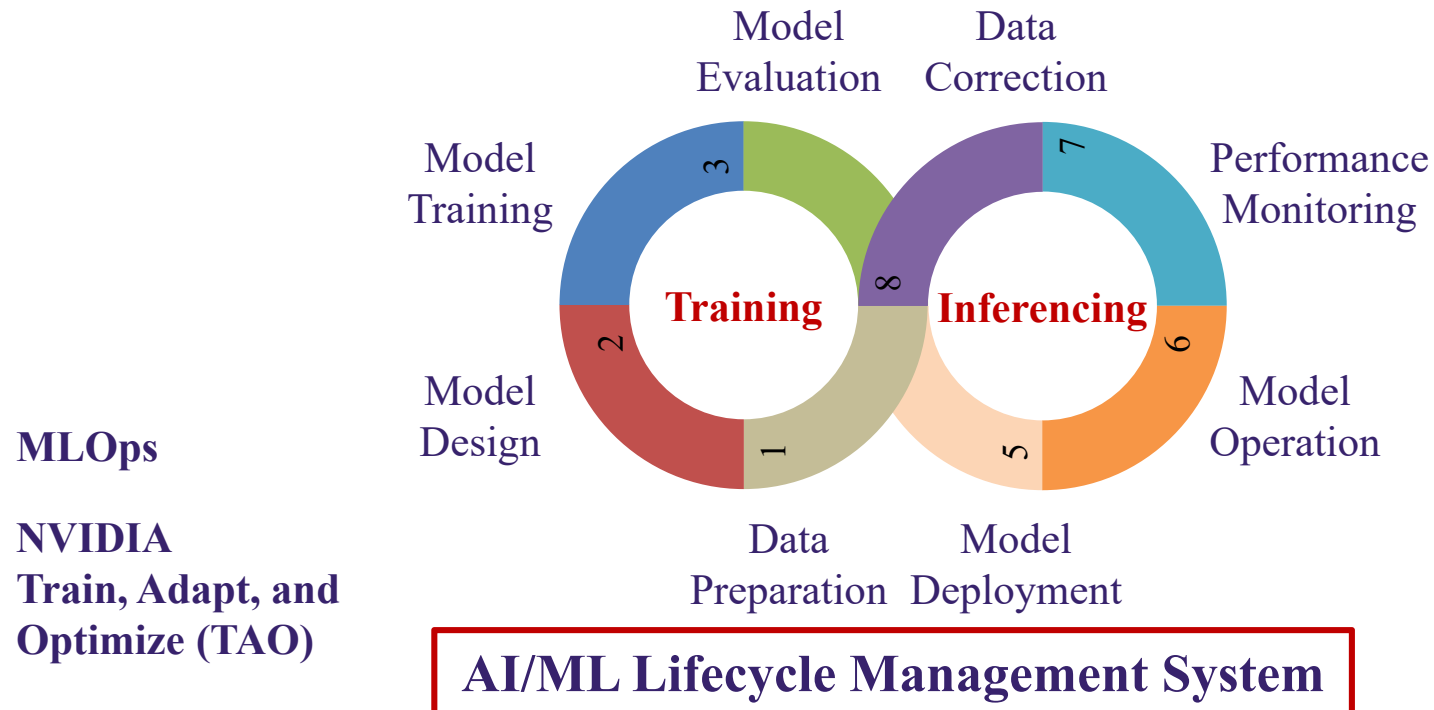


Research & Development → Operation & Application

MLSteam (AI/ML System)

AI/ML Training System

AI/ML Inferencing System



MLSteam (AI/ML System)

AI/ML Developers/Operators

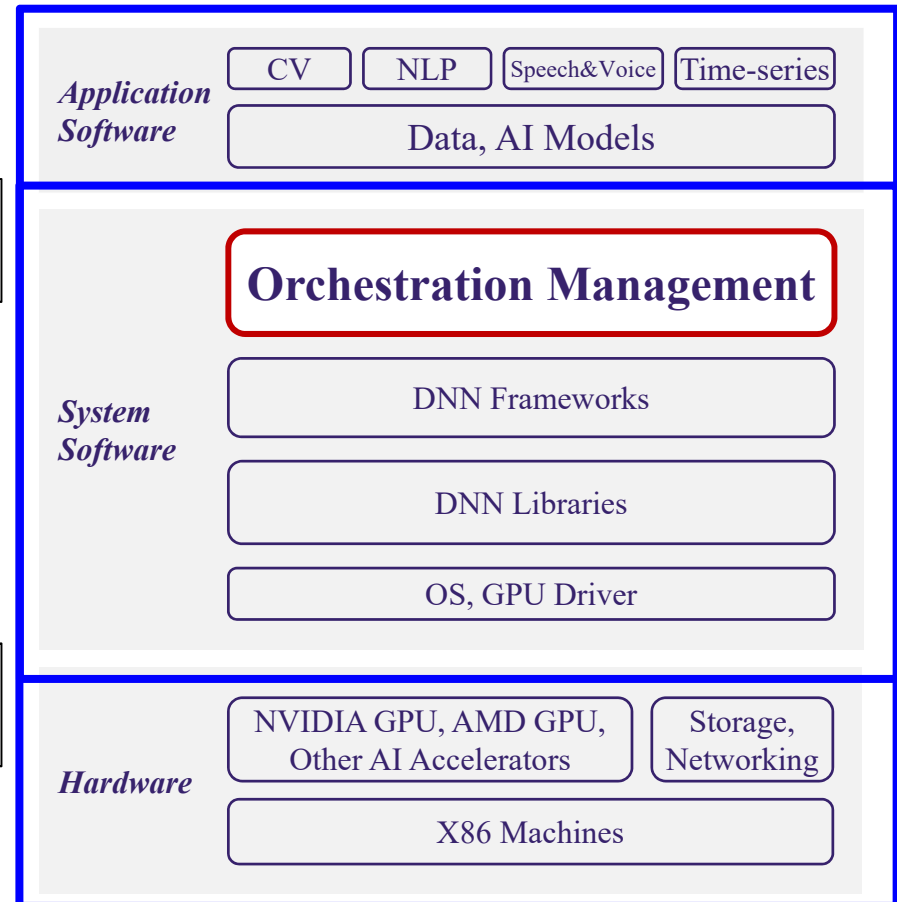
Project Management
Data Management
Model Management
Training Job Management
Inference Request Management
Model Pipeline Management

AI Dev/Ops Management Tools

IT/MIS

Container Management
Resource Allocation
Cluster Management
Resource Monitoring
Hardware Recommendation

Infrastructure Management Tools

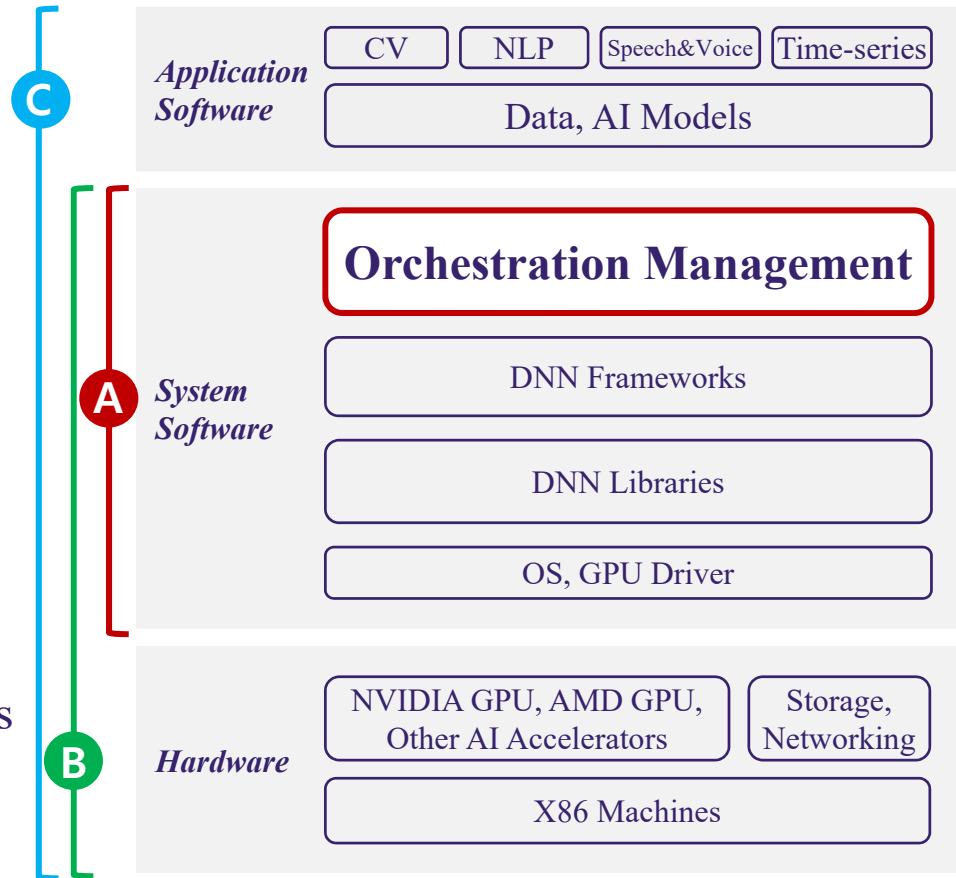


MLSteam (AI/ML System)

Customers: Any AI Enablers



- A** AI/ML System **Software**
Software
- B** AI/ML **Appliance**
Software + Hardware
- C** AI/ML **Solution**
Software + Hardware + Trained Models
- D** AI/ML **Cloud Service**
Software + Hardware + Cloud Service



References

Customer:

- Defense Department

Products/Service:

- Large-scale System Design and Implementation
- AI/ML Appliance
- AI/ML System Software
 - over GPU servers, GPU workstations, NVIDIA DGX-1, DGX Station, NAS, Pure Storage Server, and NetApp Server
 - NVIDIA GPU and AMD GPU

AI Usage:

- Smart Manufacturing
- AI/ML Training



References

Customer:

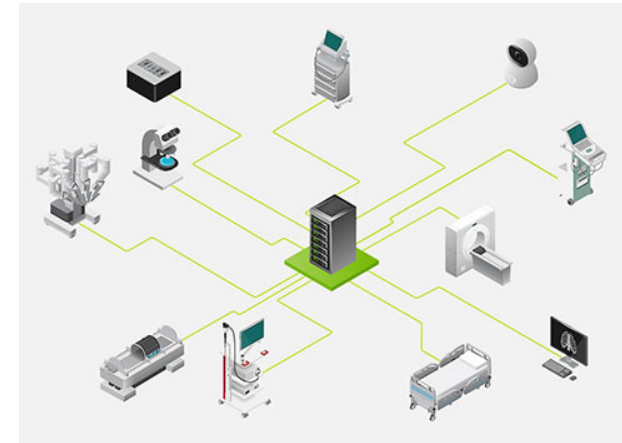
- Medical Center (Hospitals)

Products/Service:

- Large-scale System Design and Implementation
- AI/ML Appliance
 - NVIDIA A100 SXM4
 - NVIDIA Multi-Instance GPU (MIG)

AI Usage:

- Smart Healthcare
- AI/ML Inferencing for multiple clinics within a hospital

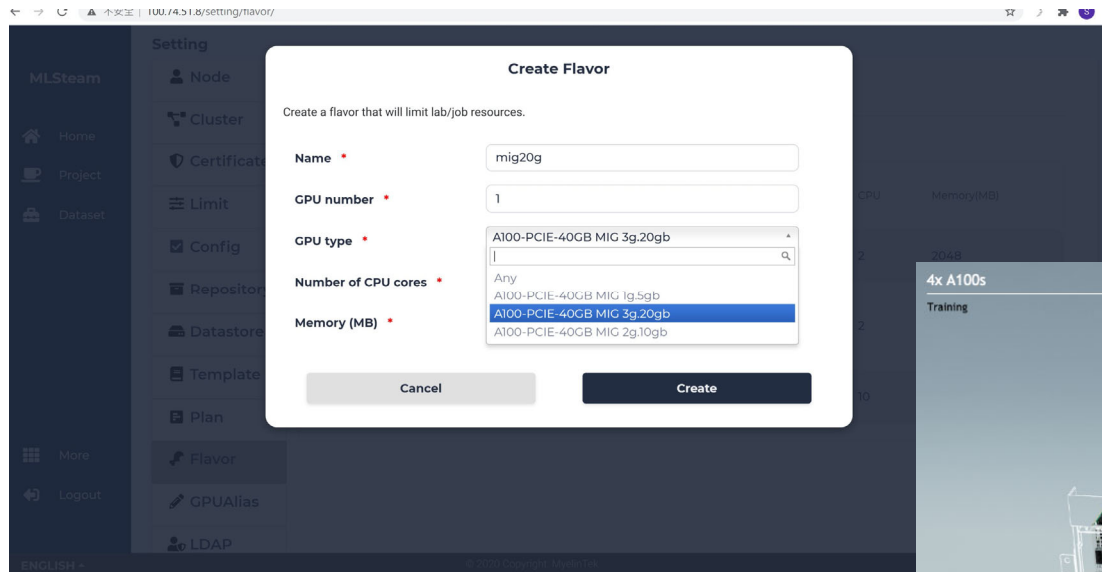


Centralized Manage

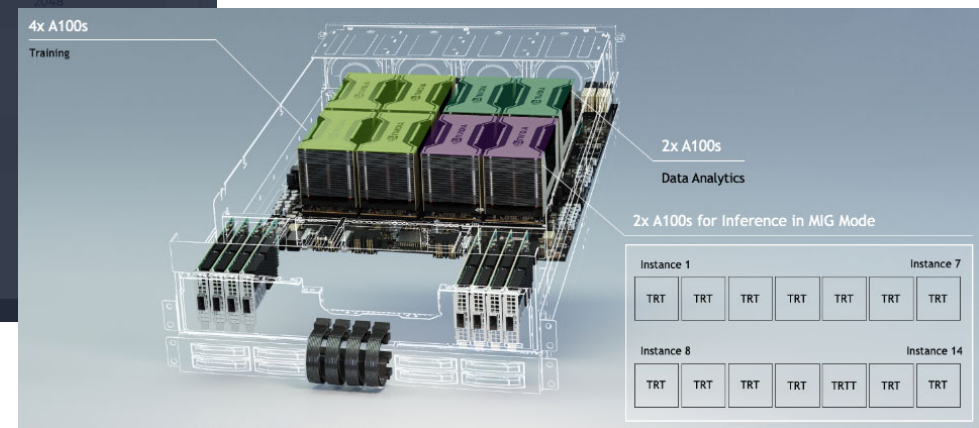
- Model Version Control
- Data Version Control
- Inference Requests
- Inference Results

Support NVIDIA MIG

Easily Enable NVIDIA Multi-Instance GPU (MIG)

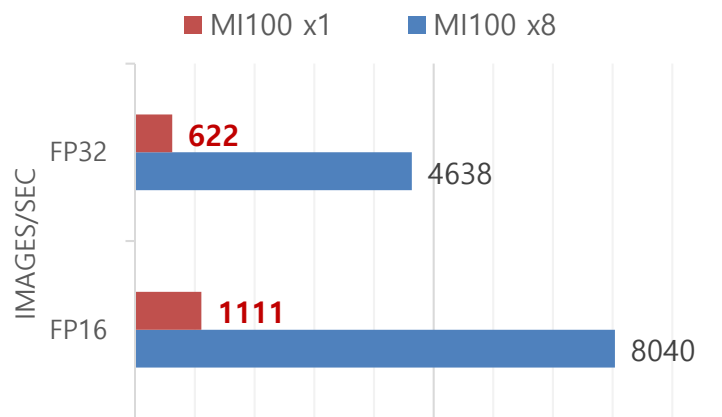


NVIDIA A100 GPU & MIG

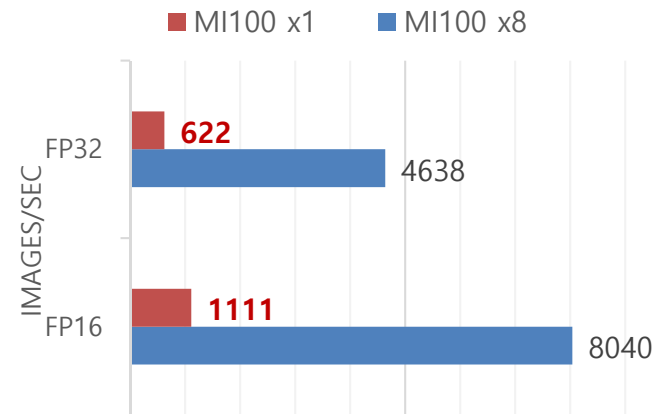


```
GPU 0: A100-PCIE-40GB (UUID: GPU-26743b45-becd-bd30-3181-923ce4727e40)
MIG 1g. 5gb Device 0: (UUID: MIG-GPU-26743b45-becd-bd30-3181-923ce4727e40/7/0)
MIG 1g. 5gb Device 1: (UUID: MIG-GPU-26743b45-becd-bd30-3181-923ce4727e40/8/0)
MIG 1g. 5gb Device 2: (UUID: MIG-GPU-26743b45-becd-bd30-3181-923ce4727e40/9/0)
MIG 1g. 5gb Device 3: (UUID: MIG-GPU-26743b45-becd-bd30-3181-923ce4727e40/10/0)
MIG 1g. 5gb Device 4: (UUID: MIG-GPU-26743b45-becd-bd30-3181-923ce4727e40/11/0)
MIG 1g. 5gb Device 5: (UUID: MIG-GPU-26743b45-becd-bd30-3181-923ce4727e40/12/0)
MIG 1g. 5gb Device 6: (UUID: MIG-GPU-26743b45-becd-bd30-3181-923ce4727e40/13/0)
GPU 1: A100-PCIE-40GB (UUID: GPU-465194e1-d687-ee6a-9794-5584a1c84e38)
MIG 3g. 20gb Device 0: (UUID: MIG-GPU-465194e1-d687-ee6a-9794-5584a1c84e38/2/0)
MIG 2g. 10gb Device 1: (UUID: MIG-GPU-465194e1-d687-ee6a-9794-5584a1c84e38/3/0)
MIG 1g. 5gb Device 2: (UUID: MIG-GPU-465194e1-d687-ee6a-9794-5584a1c84e38/9/0)
MIG 1g. 5gb Device 3: (UUID: MIG-GPU-465194e1-d687-ee6a-9794-5584a1c84e38/10/0)
```

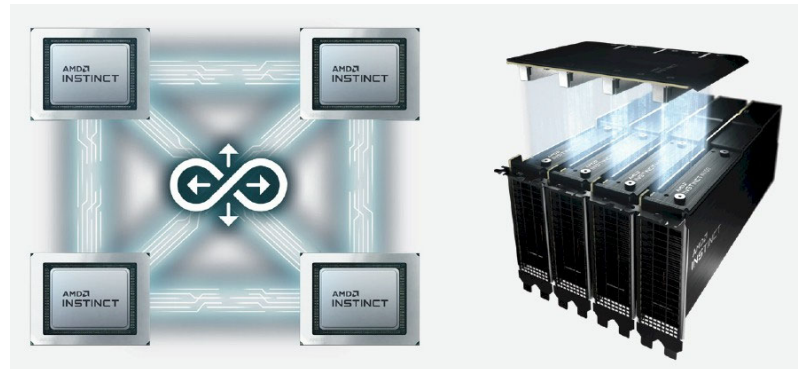
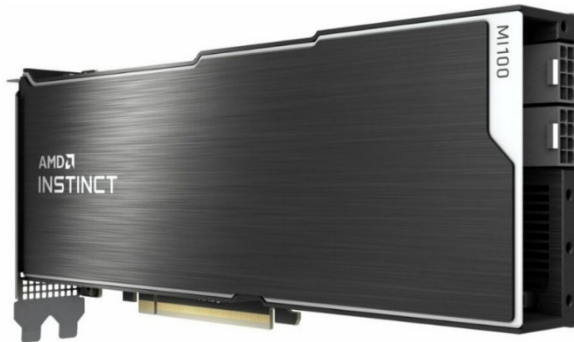
Support AMD GPU for AI/ML



RESNET-50, IMAGENET2012(1,281,167 IMAGES)
TENSORFLOW; 30 EPOCHS; 72% ACCURACY



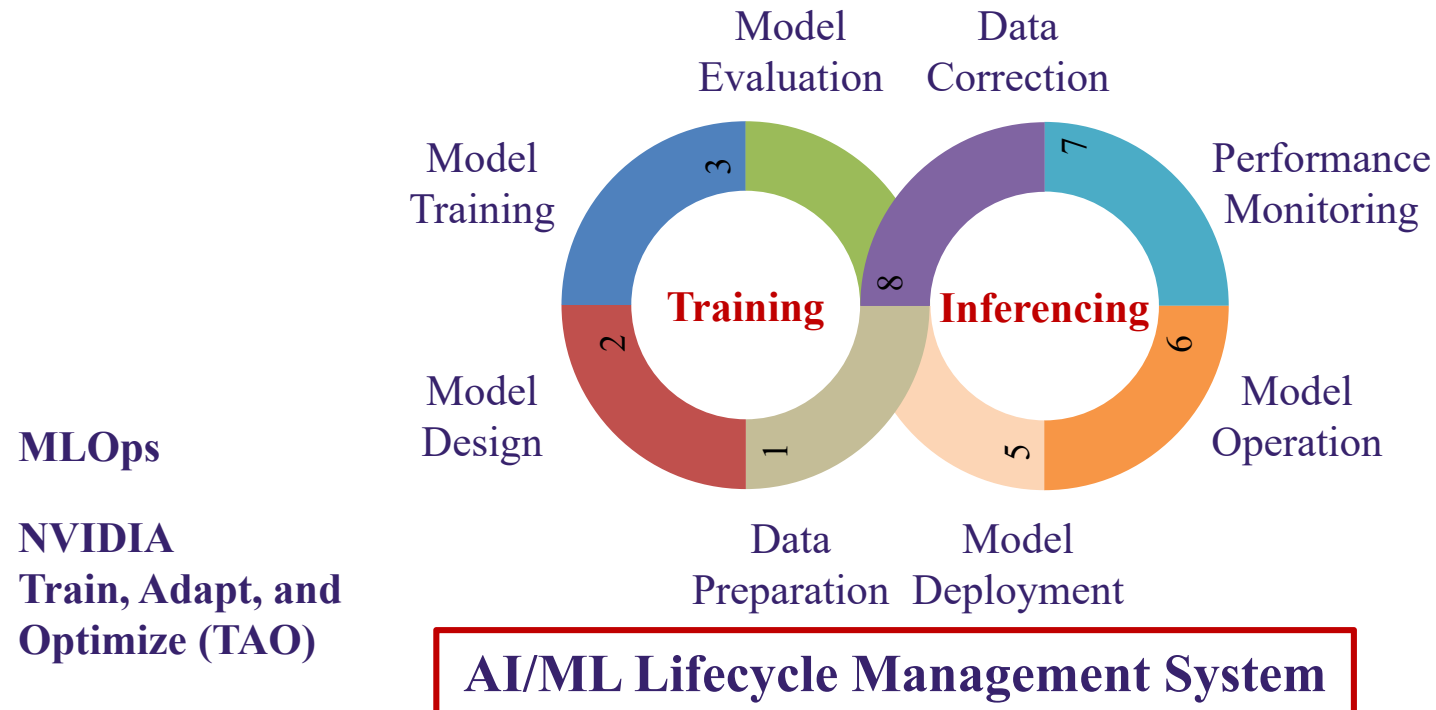
RESNET-50, IMAGENET2012(1,281,167 IMAGES)
TENSORFLOW; 30 EPOCHS; 72% ACCURACY



MyelinTek Inc.

AI/ML Training System

AI/ML Inferencing System



Research & Development → Operation & Application



Thank You

Eric Ming-Chiang Chen 陳明江 PhD
eric@myelintek.com
886-920-603-351