



NVIDIA – Fábricas de IA

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Inteligência Artificial – A Revolução Econômica, Científica e de Inovação

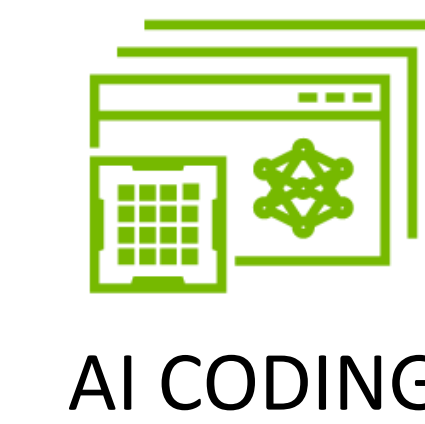
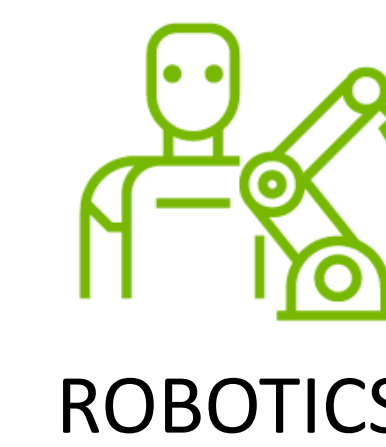
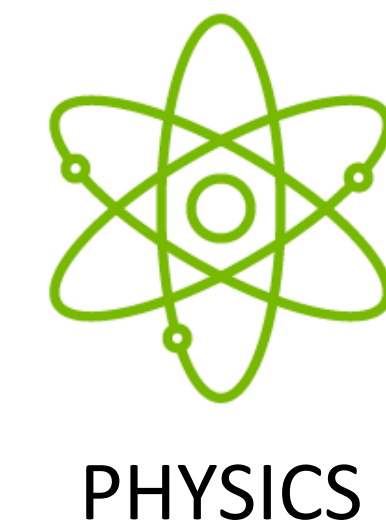
DOMÍNIOS DE CONHECIMENTO

APLICAÇÕES

INFRAESTRUTURA

CHIPS

ENERGIA

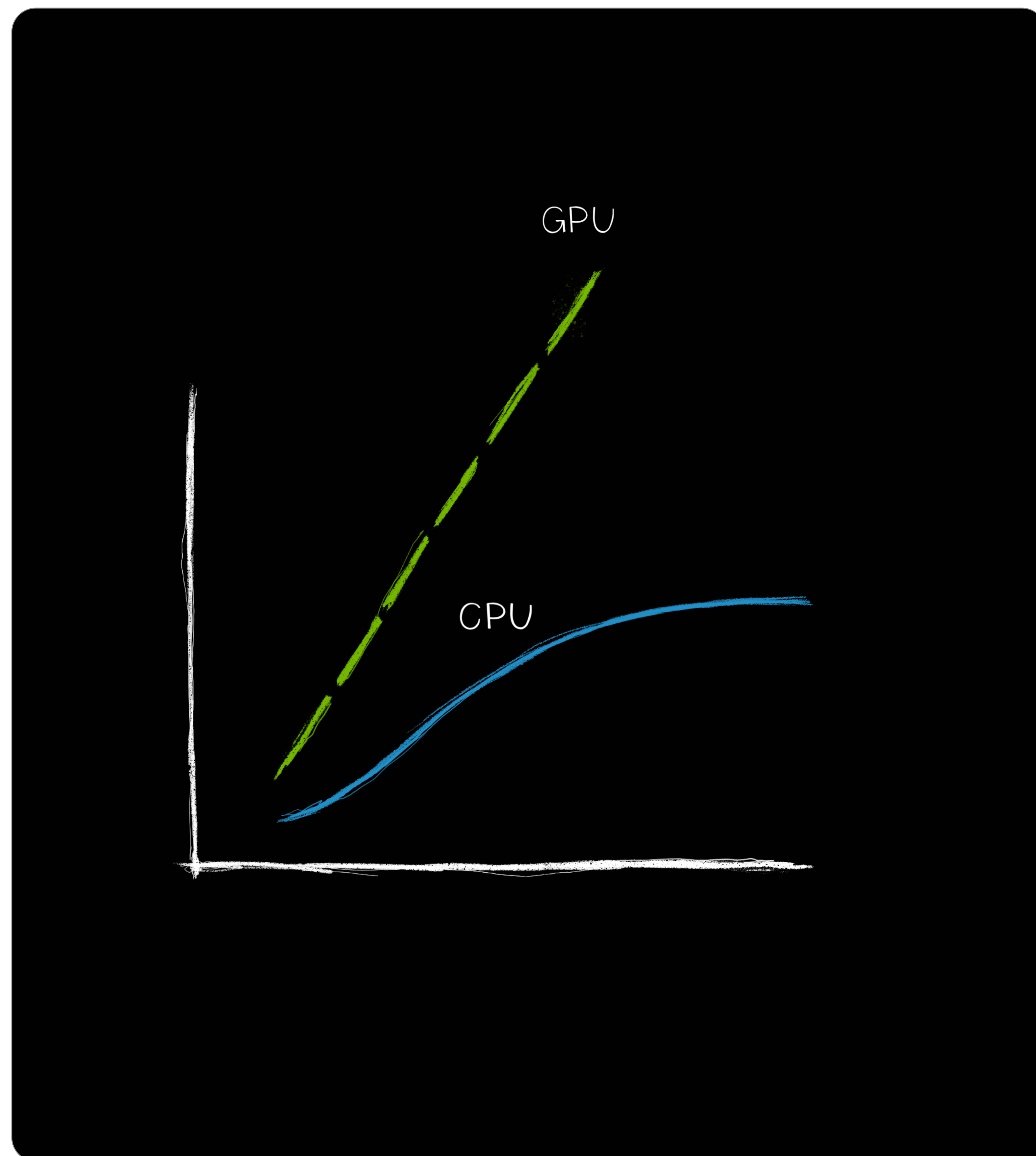


- | | | | | |
|-----|-----|-----|-----|-----|
| EDA | LLM | CFD | ANN | CNN |
| MD | GNN | MoE | RNN | DFT |

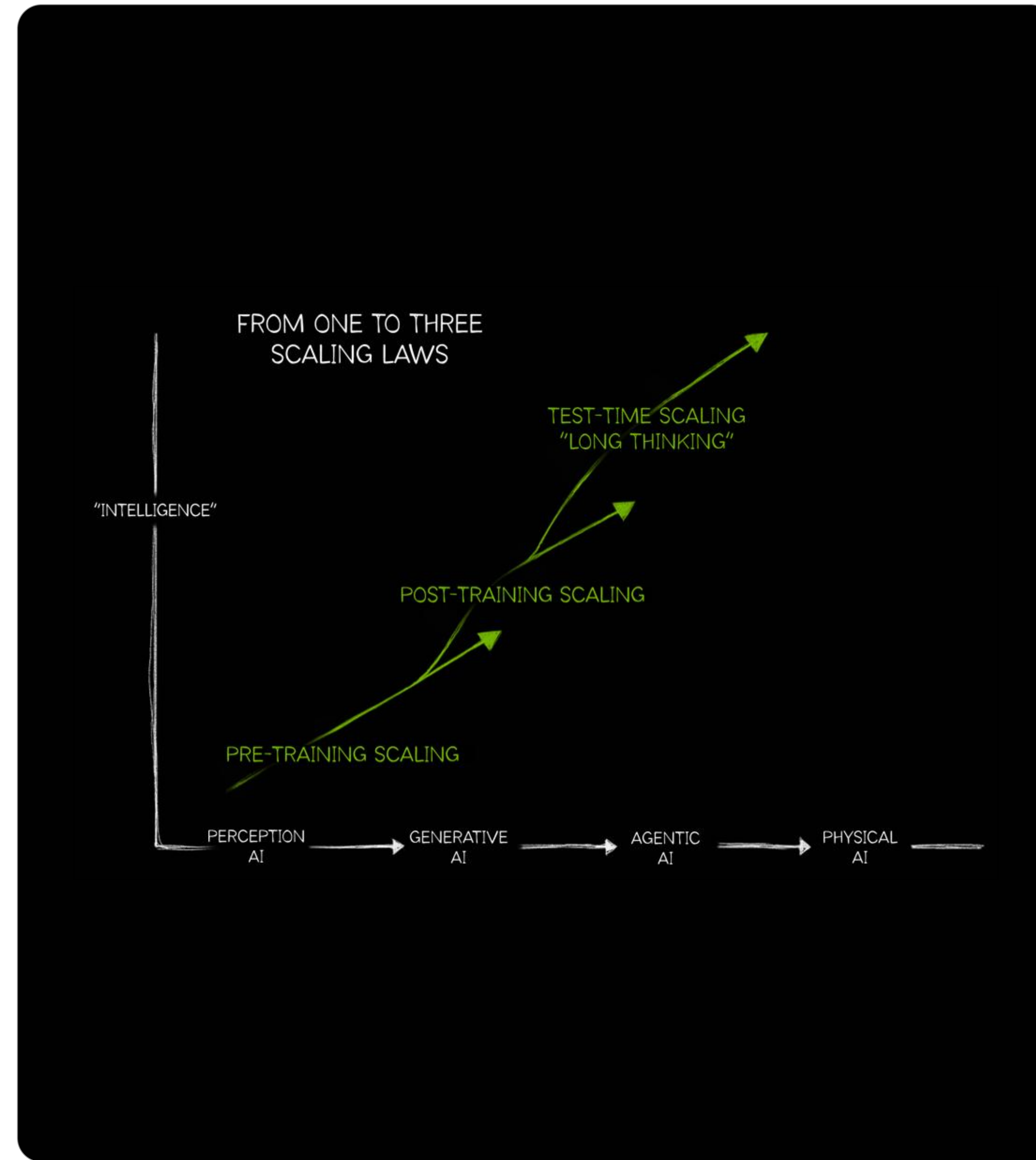


Principais tendências na computação

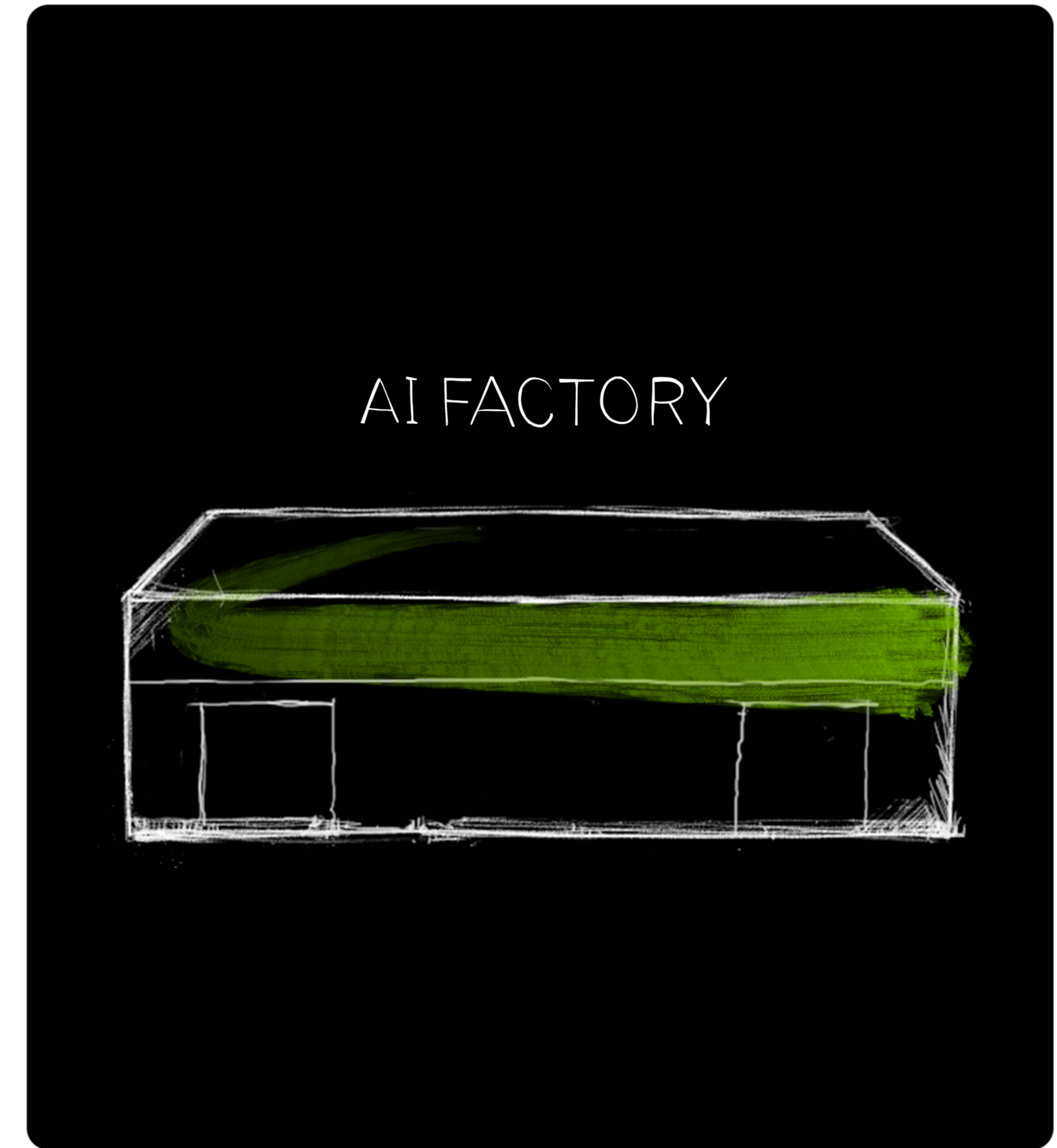
Impulsionando a transição para as fábricas de IA



Expanding Enterprise Workloads Moving from Traditional -> Accelerated

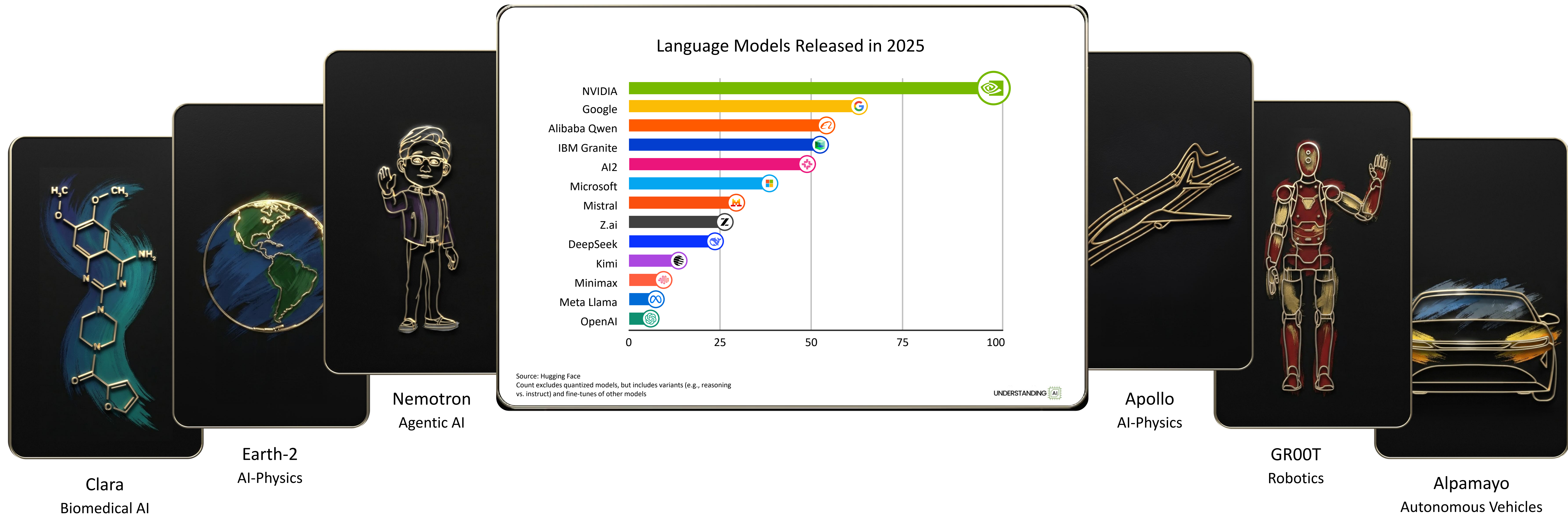


Shift In AI Compute Demands



Token Economy Driving Data Center -> AI Factory

NVIDIA lidera o ecosistema de modelos abertos

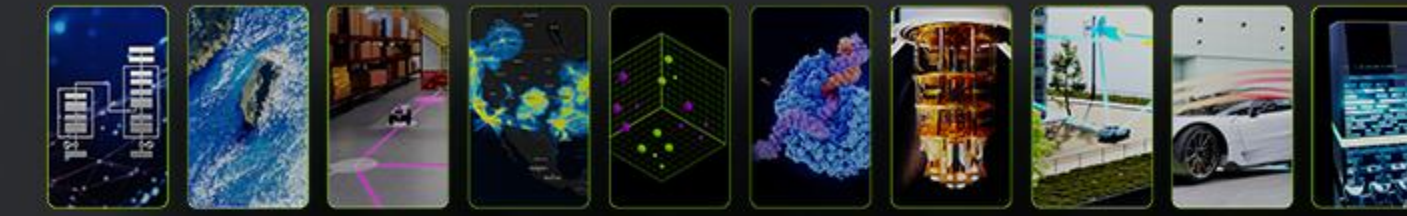


NVIDIA AI & HPC Platform

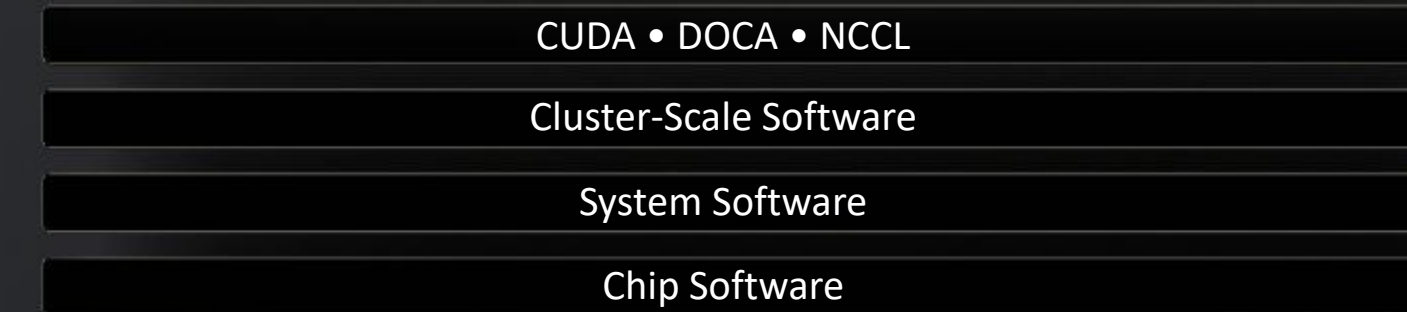
NIM
CUDA-Accelerated
Agentic AI Libraries



Omniverse
CUDA-Accelerated
Physical AI Libraries

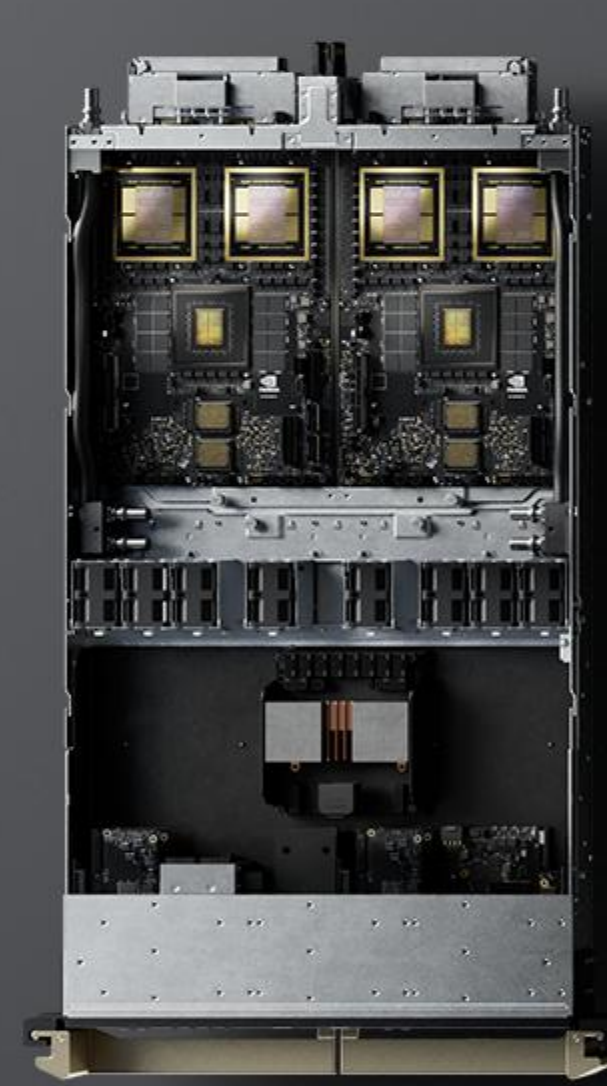


CUDA-X Libraries

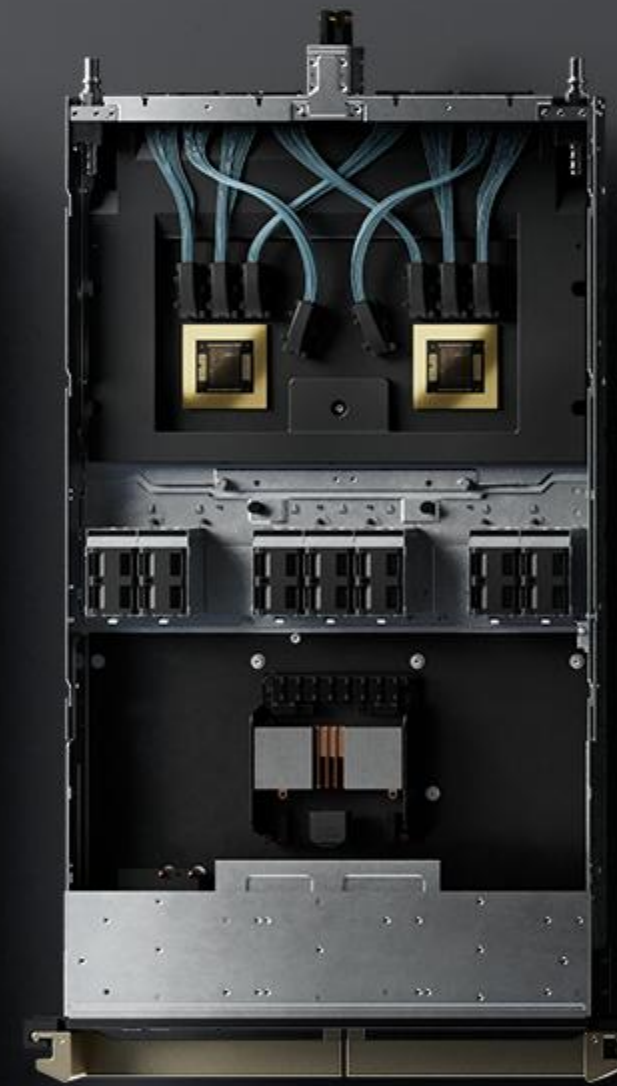


Accelerated
Software Stack

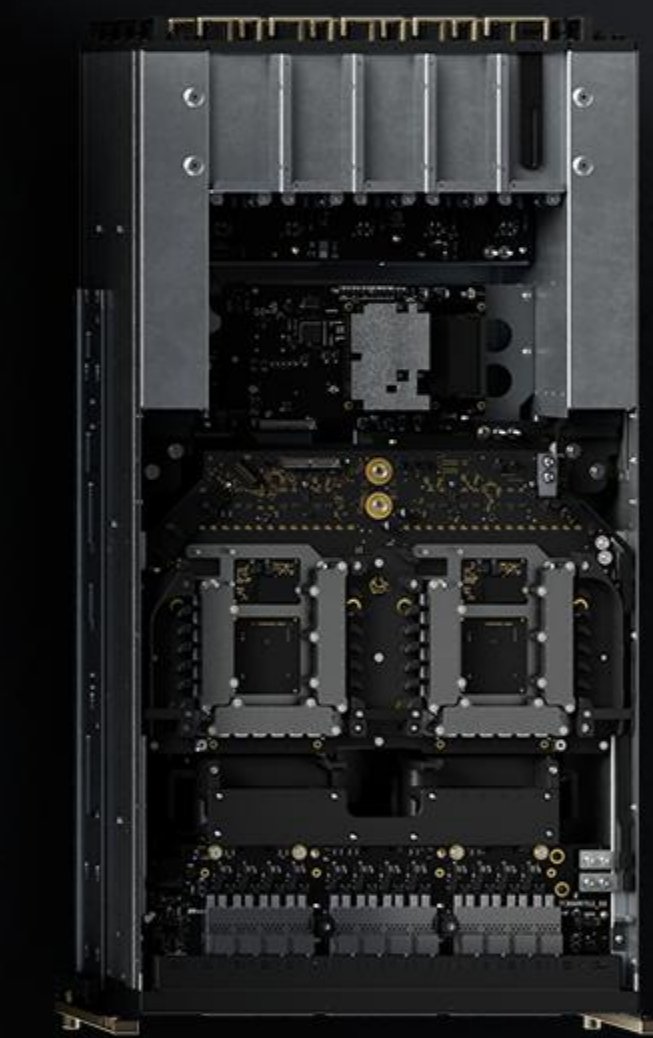
GB200 NVL72 SuperPOD



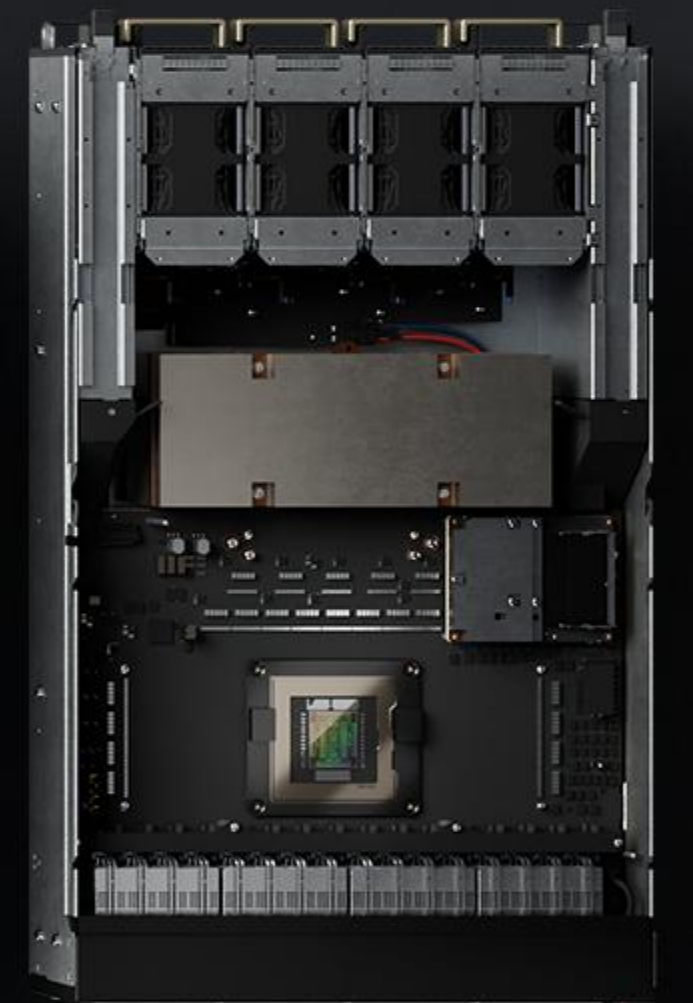
Grace Blackwell
MGX Node



NVLink Switch



Quantum Switch



Spectrum-X Switch



Chips Purpose-Built for AI Supercomputing
GPU | CPU | DPU | NIC | NVLink Switch | IB Switch | Enet Switch

NVIDIA entrega fábrica de IA full-stack

AI Factory

Build or Rent



Trilhões de dólares em investimento em TI empresarial



AI Models

AI Software

Infrastructure Software

Accelerated Infrastructure

Arquiteturas de Referência Empresarial NVIDIA

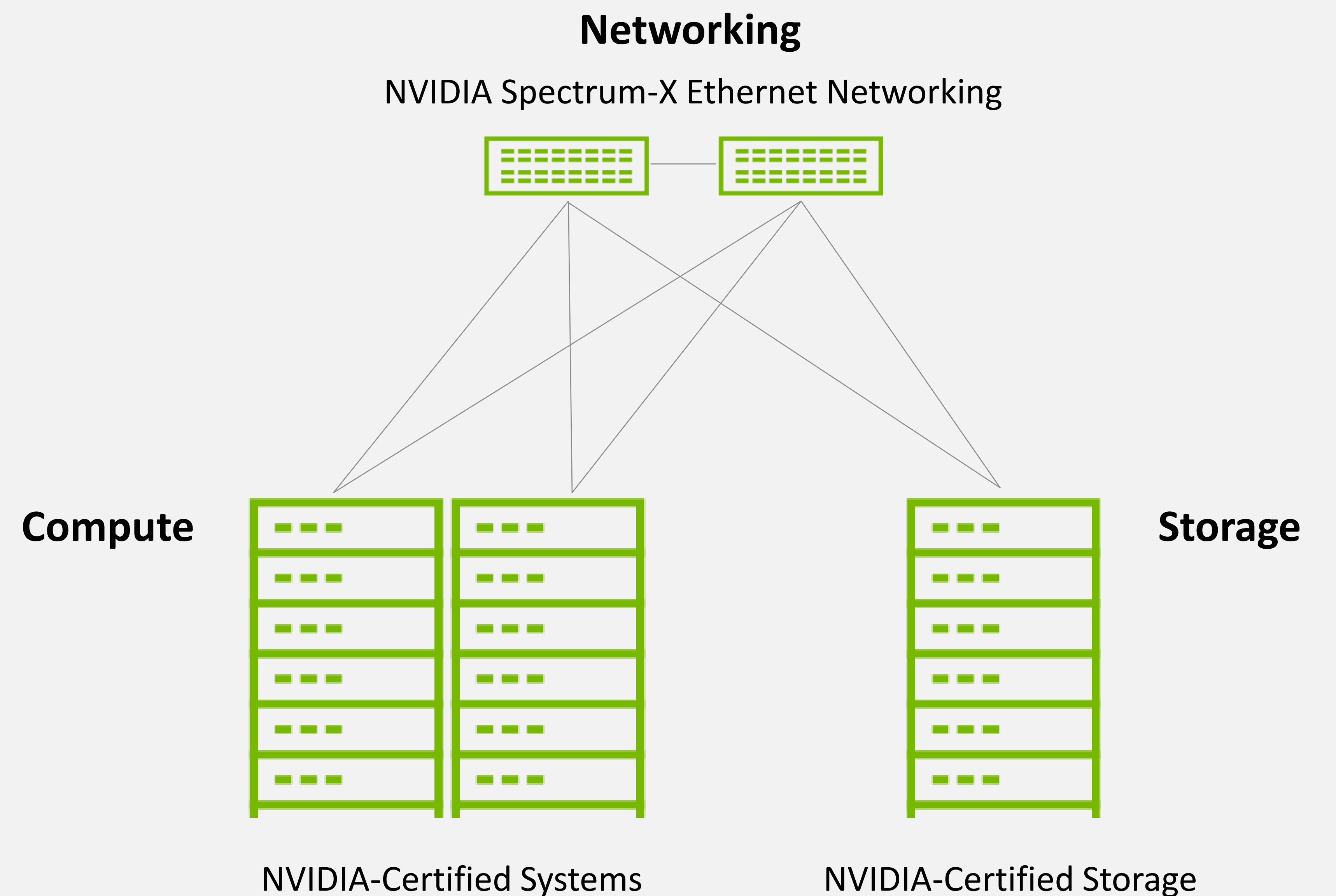
Recomendações abrangentes de design para construir infraestrutura de data center de alto desempenho e escalável

NVIDIA-Certified Systems: Configurações Otimizadas de Ampliação e Escala

High-Performance AI Networking: NVIDIA Spectrum-X Ethernet and Bluefield Networking Platforms

Multiple discrete design points: from 4 up to 128 nodes ranging up to 1024 GPUs

Companion Deployment Documentation: Spanning infrastructure Software, Networking Configuration, Observability, AI Workload Sizing and Deployment Guides



Time to value



Scalability



Manageability



Security

Programas NVIDIA



Learn. Innovate. Succeed.

Grow and validate your skills with training from the NVIDIA Deep Learning Institute.



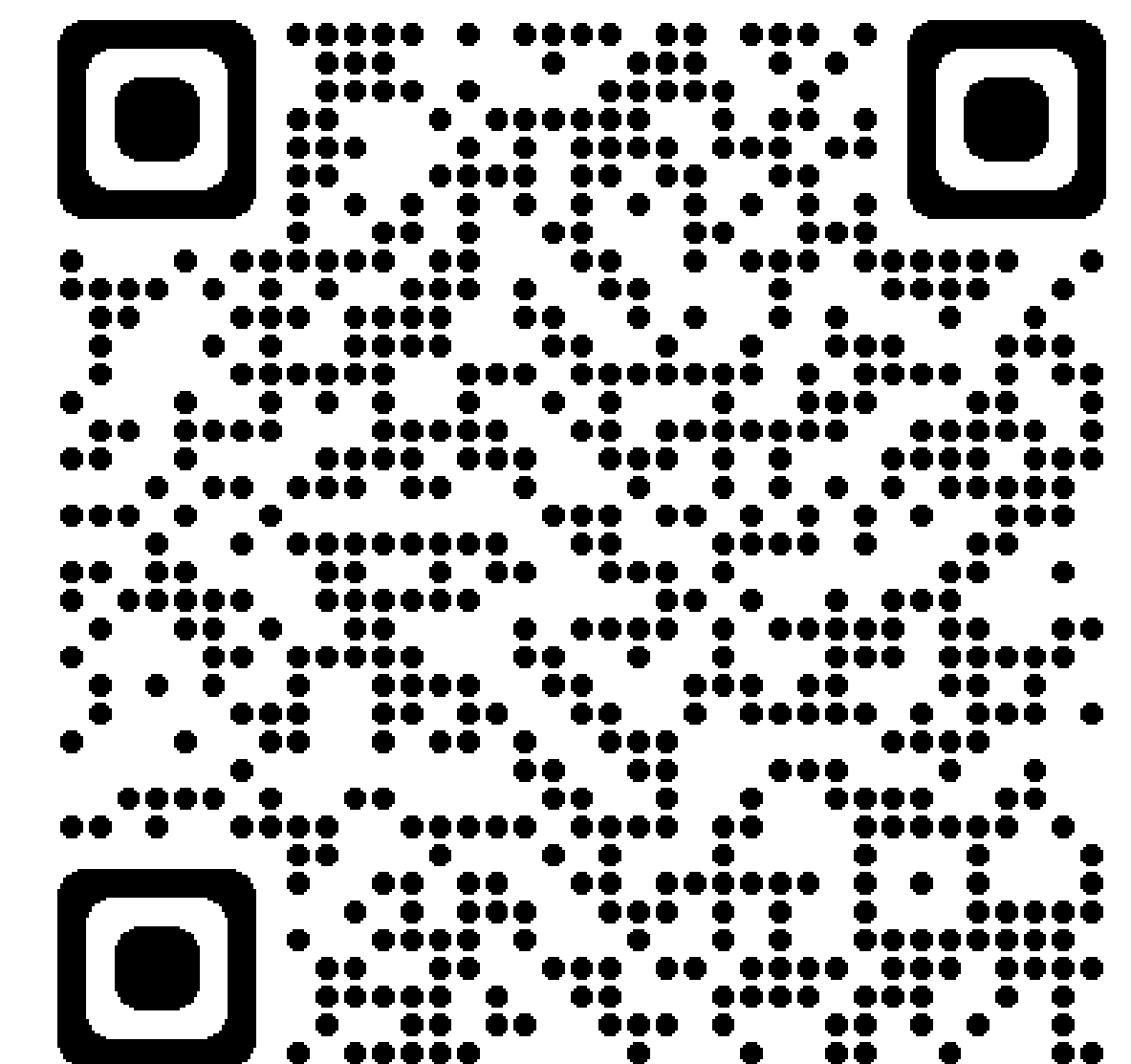
Developers

<http://developer.nvidia.com>

“NVIDIA agora possui um ecossistema robusto e autossustentável de software, universidades, startups e parceiros que permitiram que ela se tornasse referência de um universo recém-criado.” FORBES

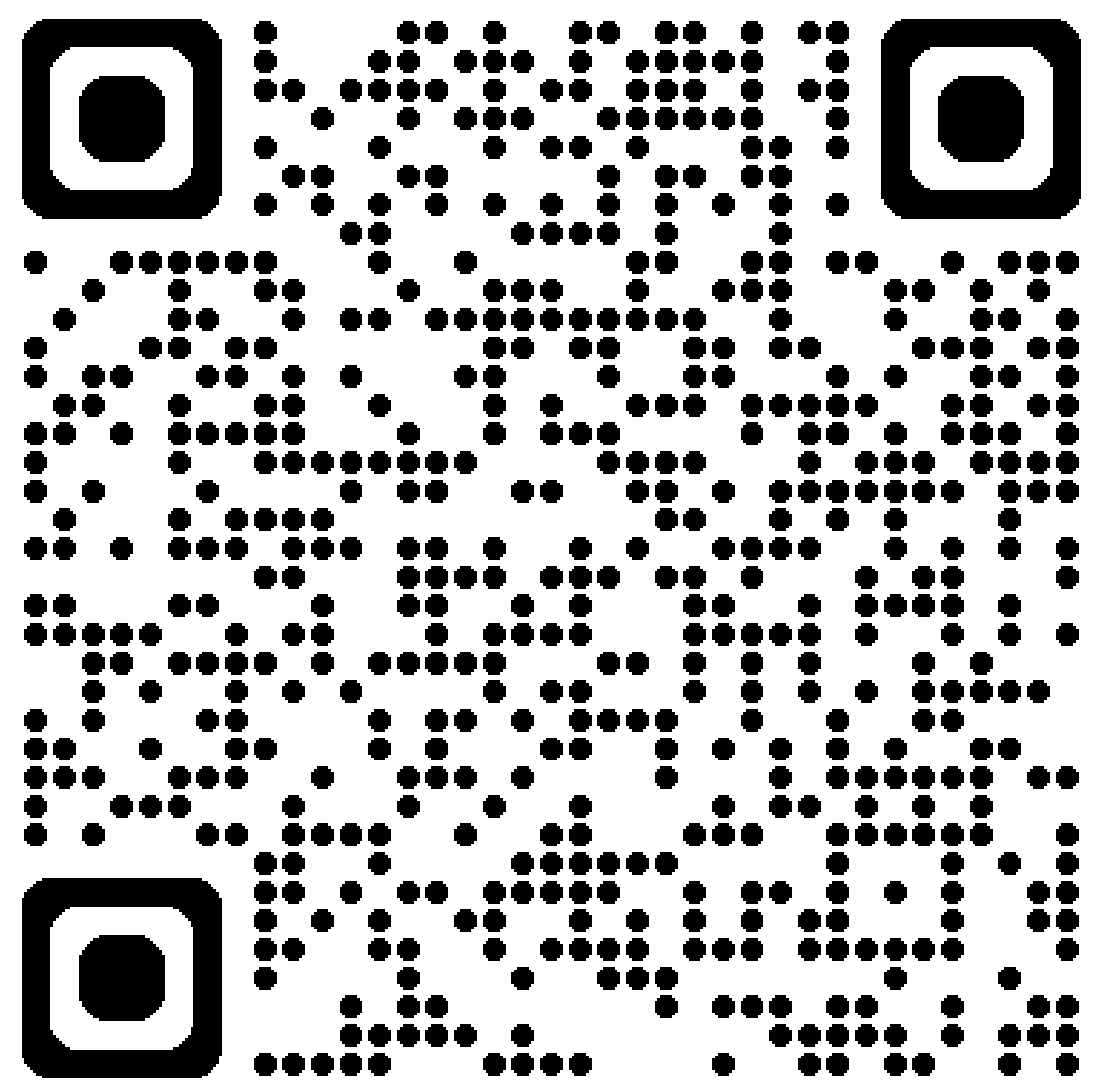
Em menos de dois anos depois dobramos o número de desenvolvedores no nosso programa, isso mostra o grande interesse nas nossas plataformas.

Faça parte deste ecossistema:

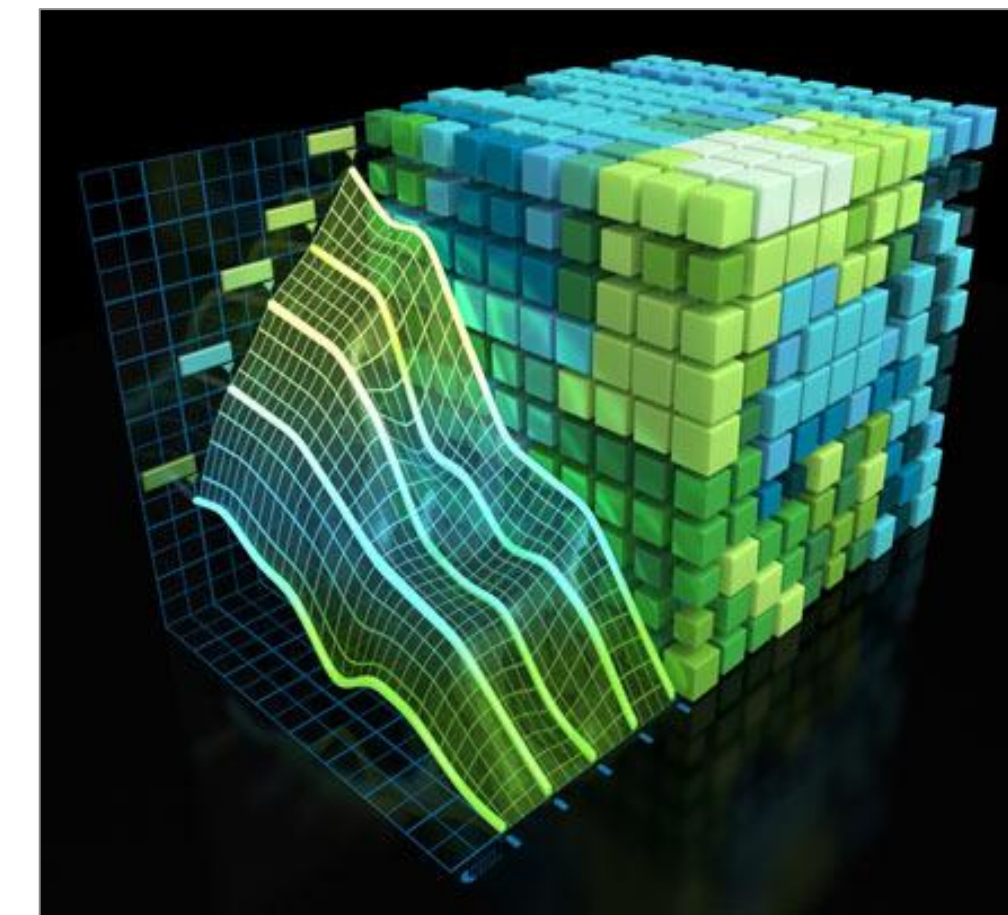


NVIDIA DLI RICH CONTENT PORTFOLIO

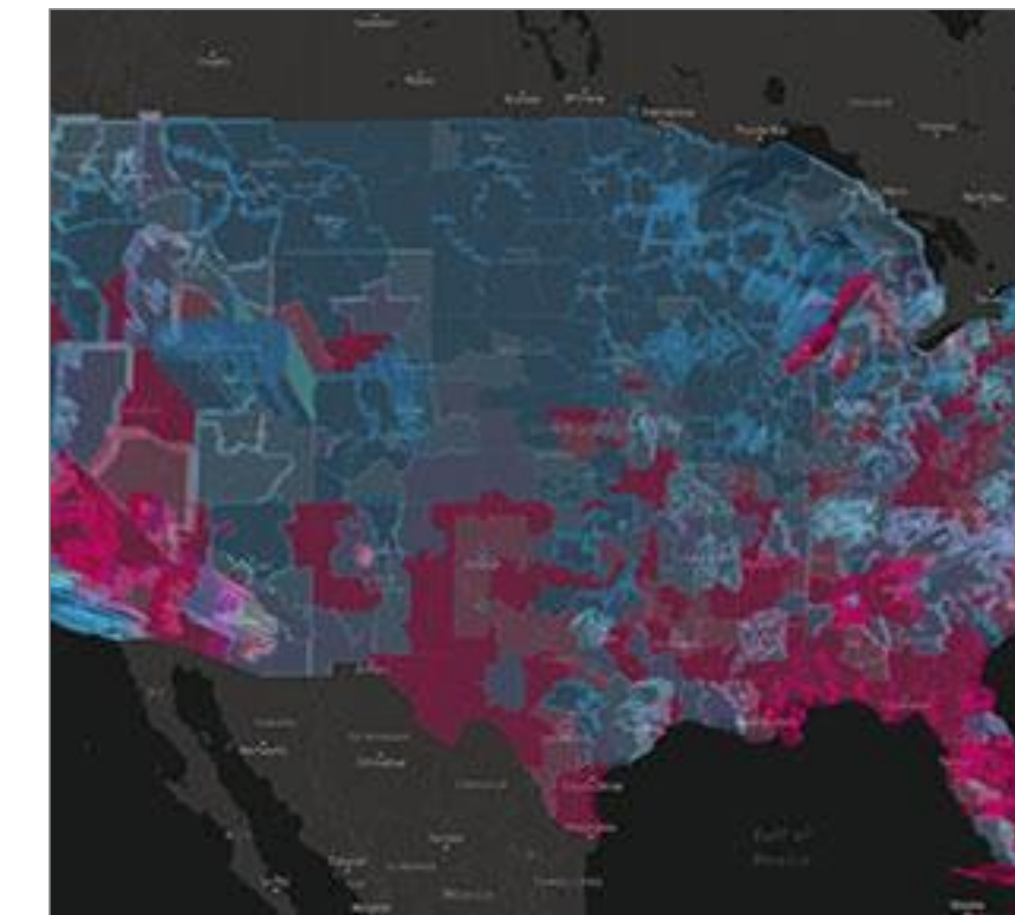
Fundamentals and Advanced
Hands-on Training in Key
Technologies and Application
Domains



Deep Learning
Fundamentals



Accelerated Computing
Fundamentals



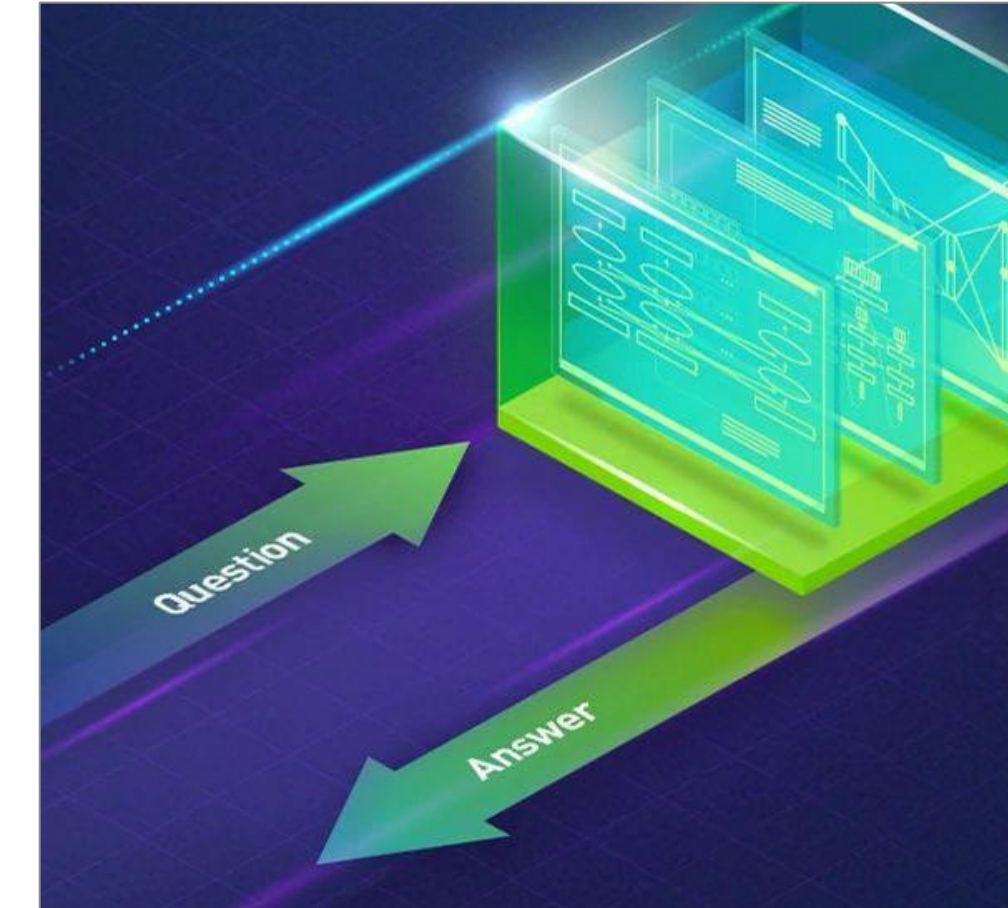
Accelerated Data Science
Fundamentals



AI in the Data Center



AI for Anomaly Detection



Conversational AI



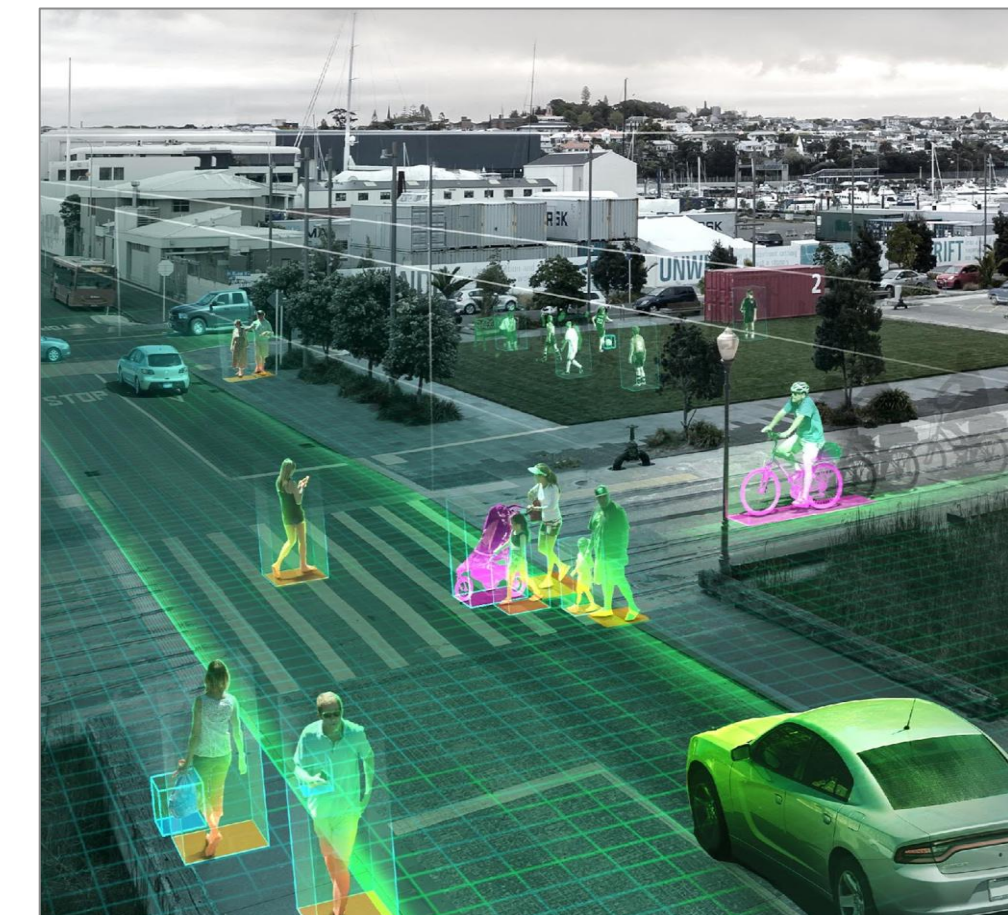
Recommender Systems



Graphics and Simulation



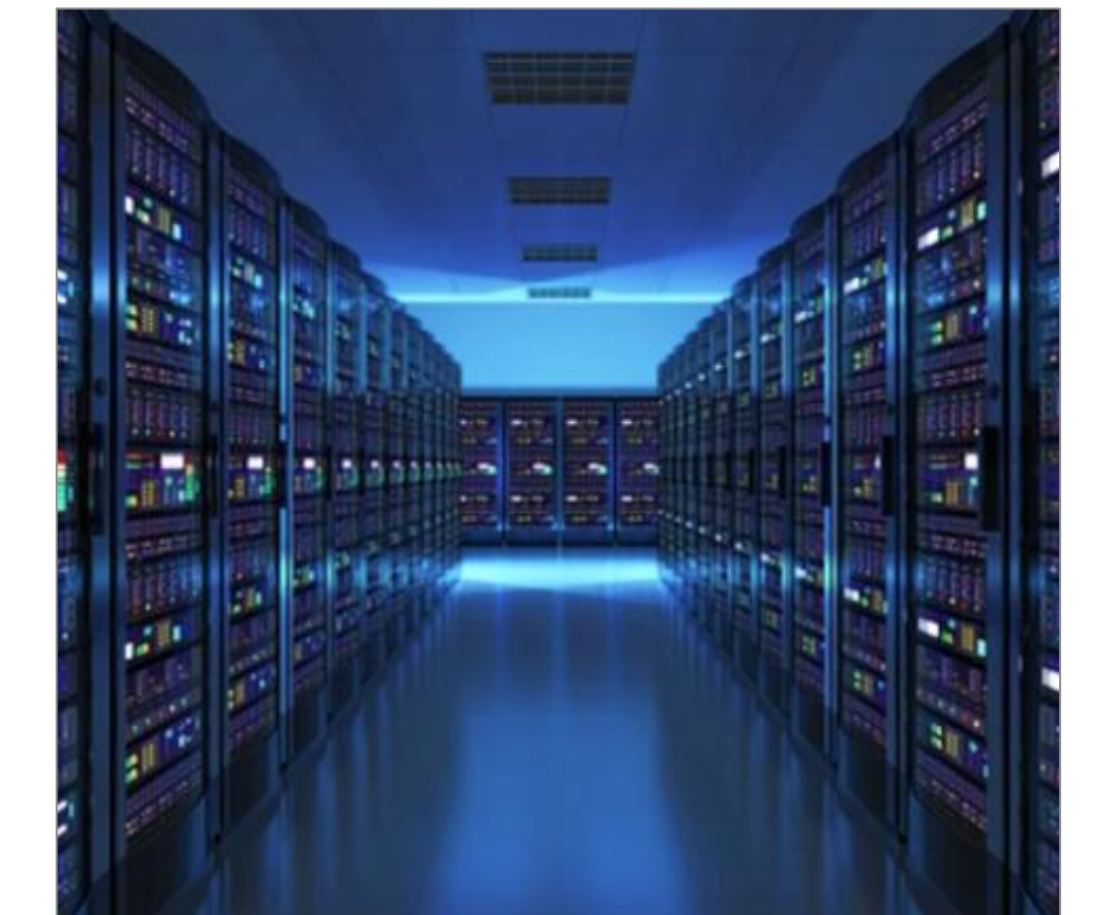
AI for Industrial Inspection



AI for Intelligent
Video Analytics



AI for
Predictive Maintenance

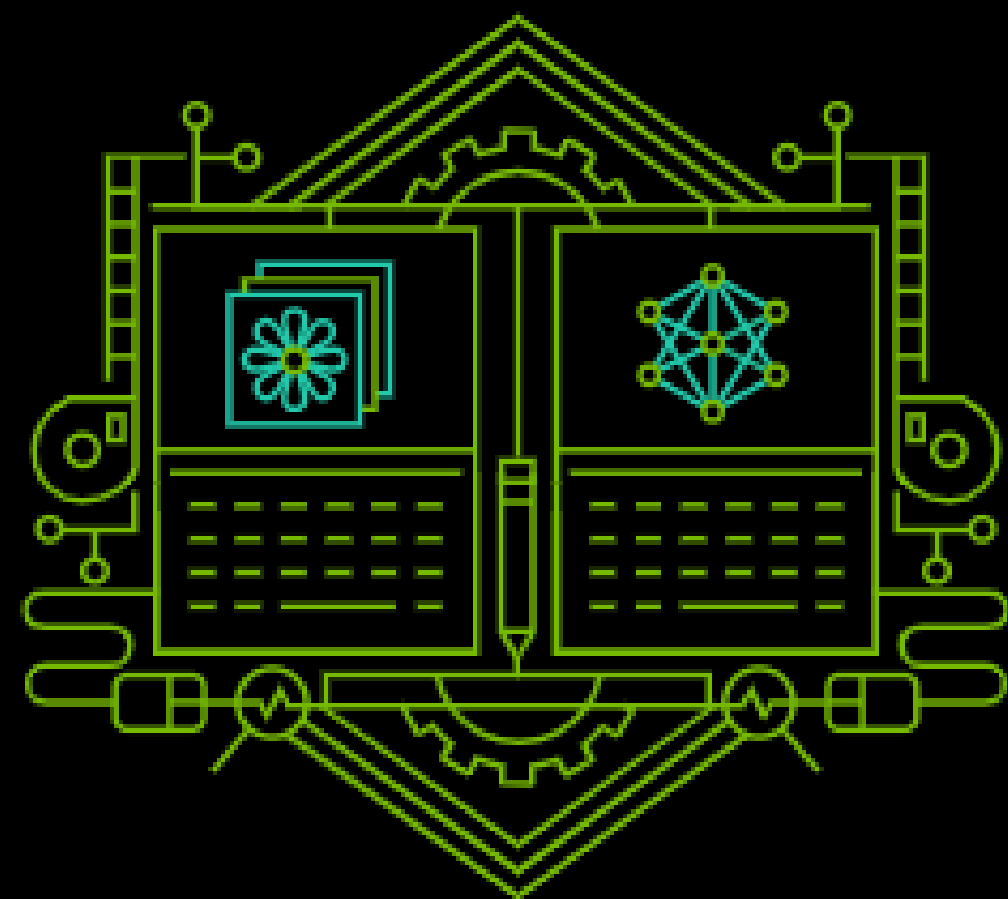


Networking



Teaching Resources

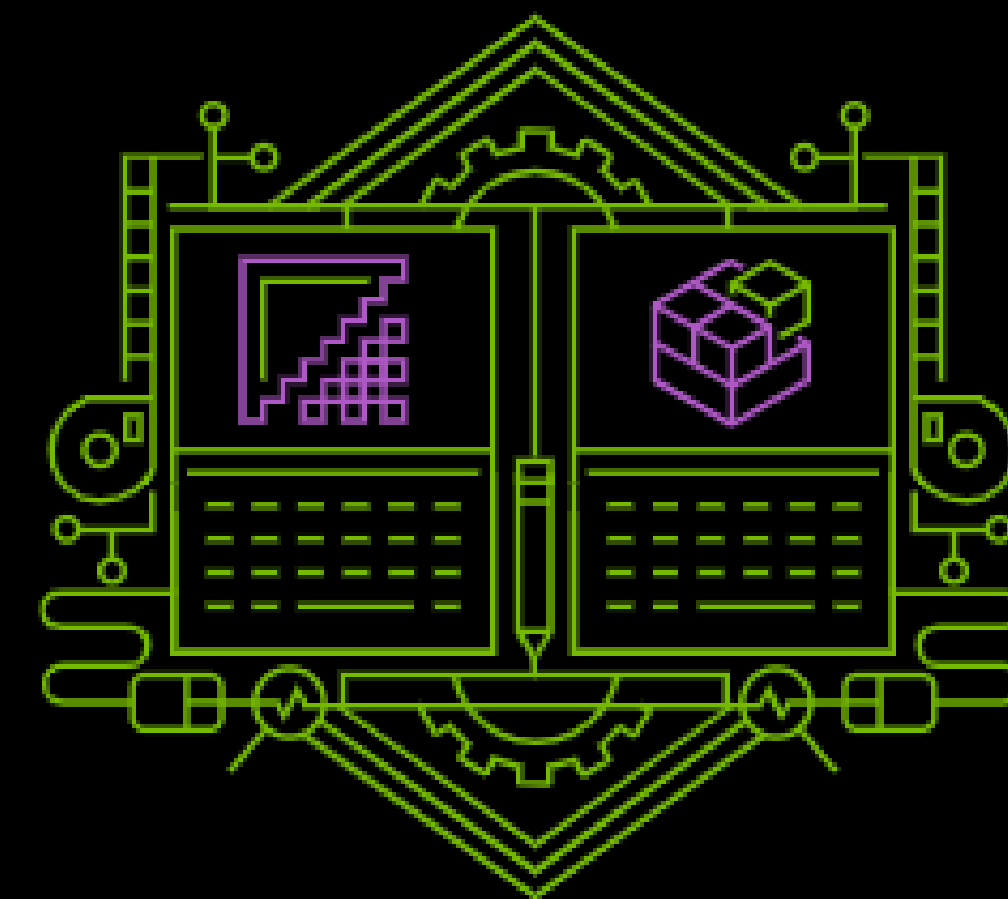
The Foundation for Next-Generation Innovators



Deep Learning

Co-developed with Professor Yann LeCun and his team at New York University (NYU), this Teaching Kit leverages the latest computing frameworks and techniques to explore introductory and advanced deep learning topics, from image classification to generative adversarial networks (GANs) to natural language processing (NLP).

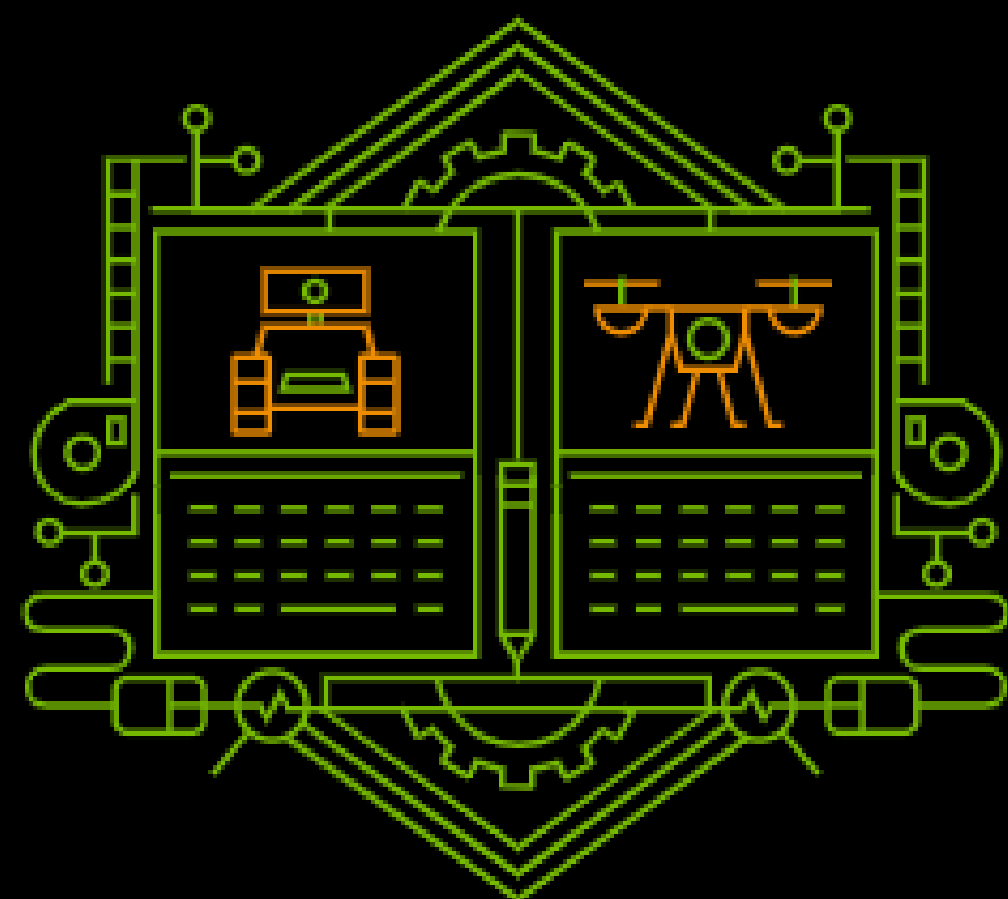
▶ Watch Video: Bringing AI to the Classroom: NVIDIA's Deep Learning Teaching Kit
(60 Minutes)



Accelerated Computing

Co-developed with Professor Wen-Mei Hwu and his team from the University of Illinois (UIUC) and Professor Sunita Chandrasekaran and her team from the University of Delaware, this Teaching Kit covers introductory and advanced topics such as parallel programming APIs, programming tools and techniques, principles and patterns of parallel algorithms, and processor architecture features and constraints.

▶ Watch Video: Accelerated Computing Teaching Kit for University Educators: Introduction and Use Cases
(60 Minutes)



Edge AI and Robotics

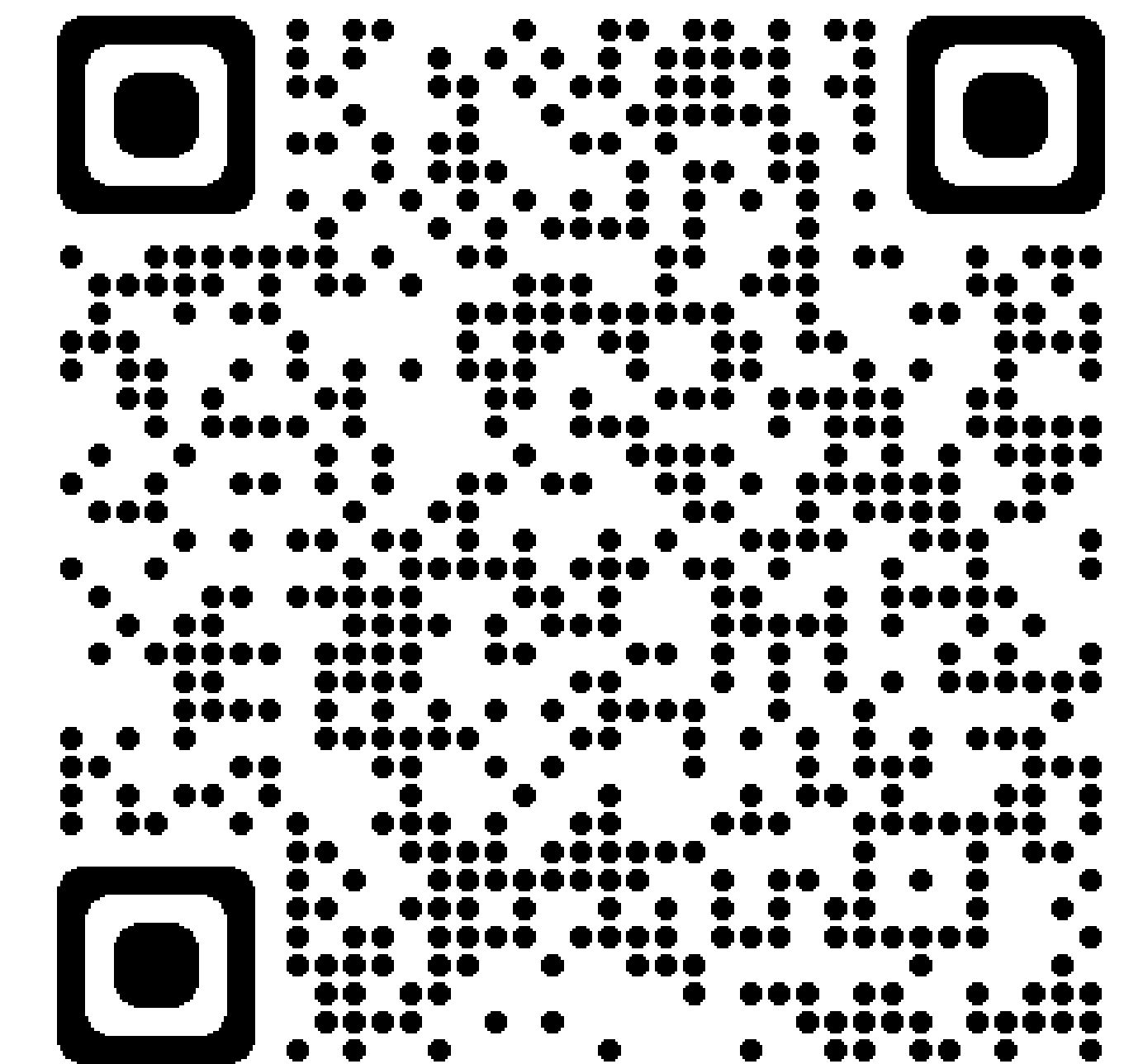


Data Science

DLI Teaching Kits

<https://www.nvidia.com/en-us/training/teaching-kits/>

- Removendo Barreiras para o Ensino de Novas Tecnologias
 - Economiza Tempo de Planejamento de Aulas e Laboratórios
 - Reduz Custos e Necessidades de Infraestrutura
 - Aborda Teoria Acadêmica e Fundamentos
 - Oferta de Curso Singular e Abrangente com Suporte
- Deep Learning
- Accelerated Computing
- Edge AI and Robotics
- Data Science
- Graphics and Omniverse
- Science and Engineering
- Generative AI (NEW)

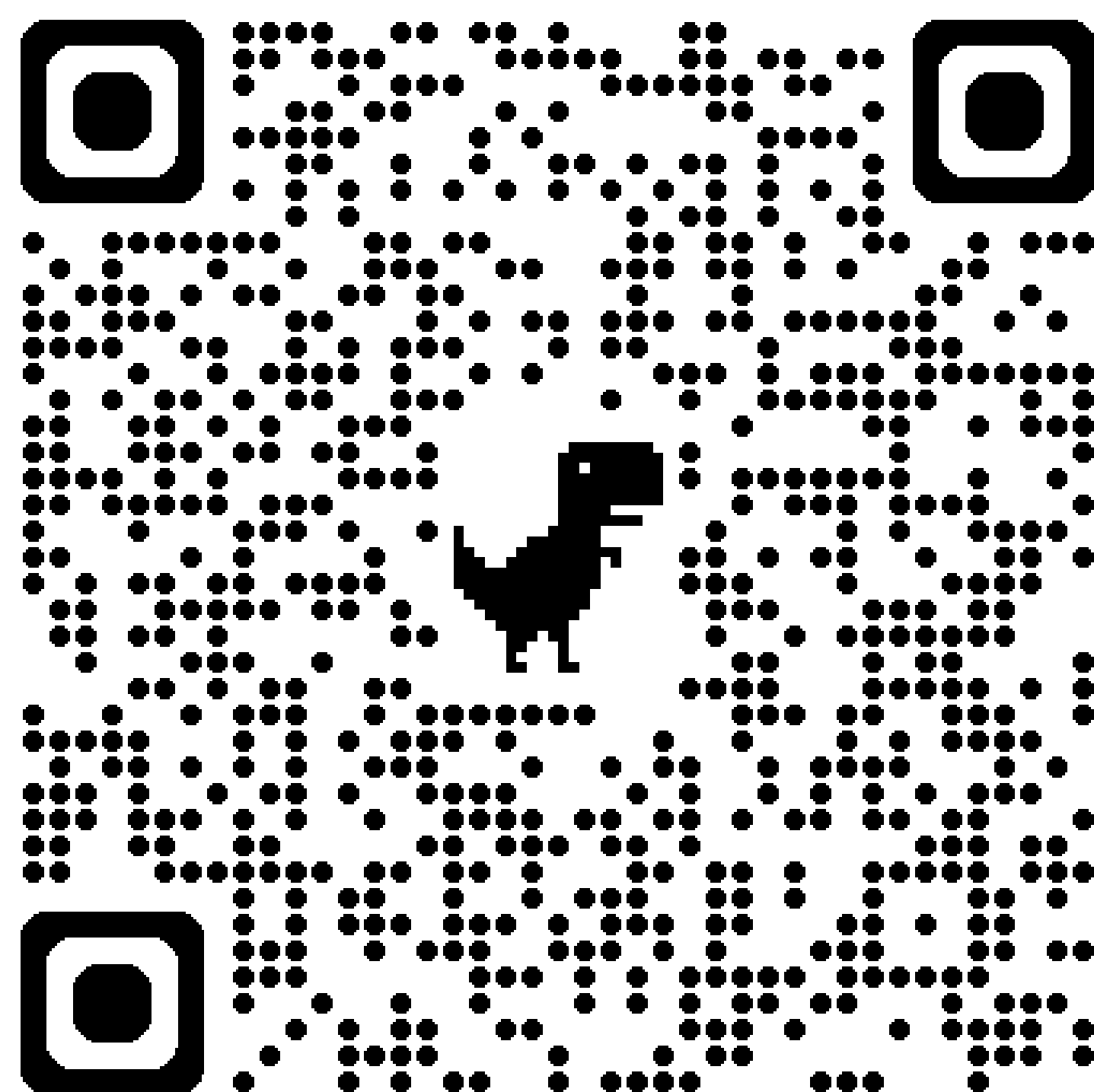


NVIDIA DLI UNIVERSITY AMBASSADOR PROGRAM

The DLI University Ambassador Program certifies qualified educators to deliver the latest hands-on workshops for free to university faculty, students, and researchers in the areas of GPU-accelerated computing, AI, and data science.

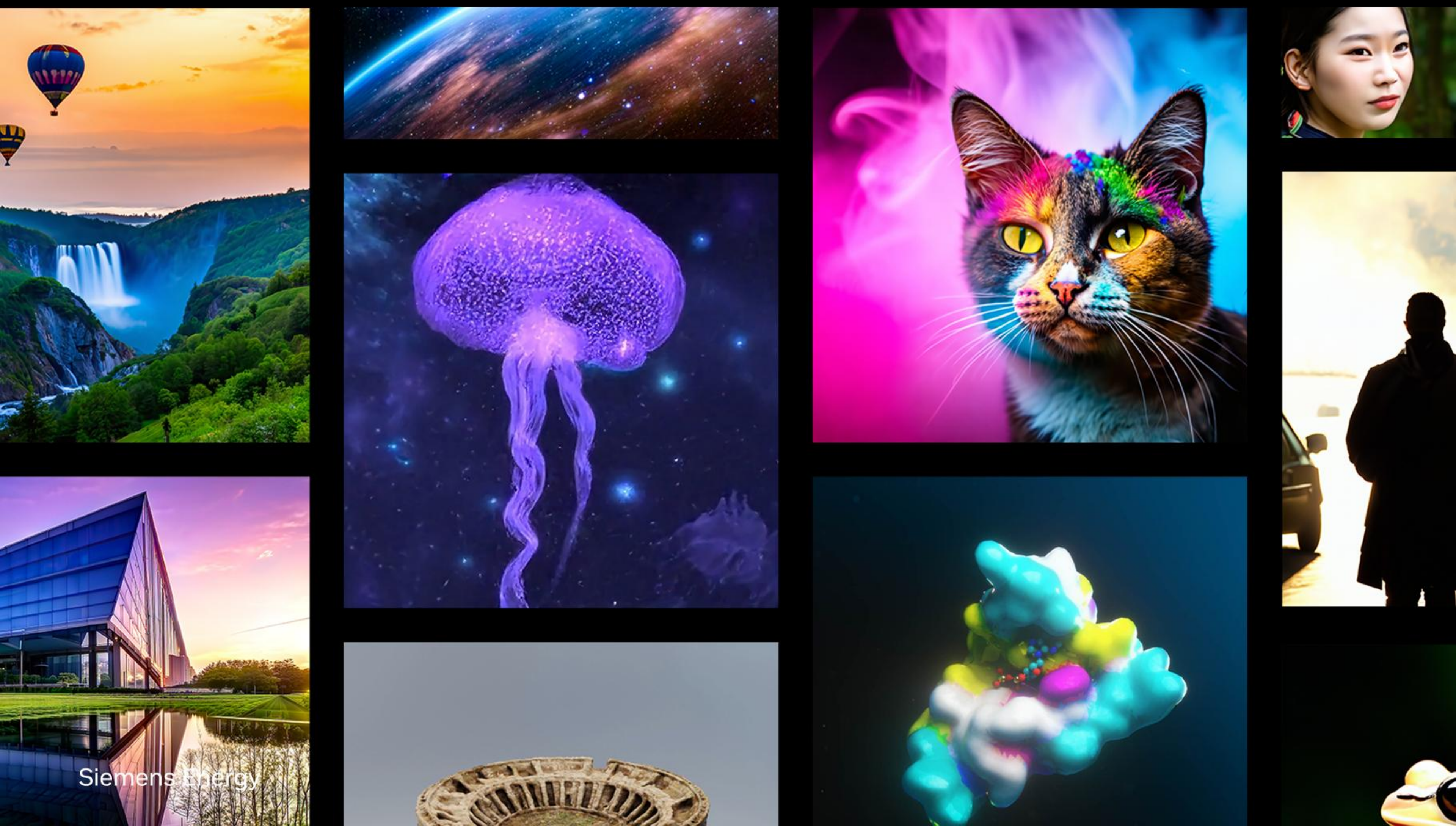
DLI Ambassadors are a subset of DLI certified instructors with additional benefits. To become a certified DLI Ambassador, you first need to apply and then complete the DLI instructor certification process. Once certified, University Ambassadors are connected with high-quality, hands-on course materials and a fully configured, GPU-accelerated workstation in the cloud.

[APPLY NOW](#)



Build and Grow Your Generative AI Startup

NVIDIA Inception



NVIDIA Inception

<https://www.nvidia.com/pt-br/startups/>

O NVIDIA Inception é uma plataforma de aceleração para startups de AI, ciência de dados e HPC que oferece suporte, expertise e tecnologia essenciais para inserção no mercado.

“Participamos de uma série de briefings e eventos da NVIDIA em que fomos apresentados a pessoas que se tornaram nossos clientes. No GTC, você conhece outras empresas que estão desenvolvendo tecnologias complementares e investidores interessados na área que podem ajudar sua empresa.” Adam Bry, Cofundador e CEO, Skydio





NGC Catalog

The NGC™ catalog is a hub of GPU-optimized software. With enterprise-grade containers, pre-built best-in-class solutions and delivered by NVIDIA, you can


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NGC CATALOG – GPU-OPTIMIZED SOFTWARE


<https://catalog.ngc.nvidia.com/>

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Getting Started



Accelerated with




TensorFlow
Container


TensorFlow is an open source platform for machine learning. It provides comprehensive tools and libraries in a flexible architecture allowing easy...

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Accelerated with




PyTorch
Container

PyTorch is a GPU accelerated tensor computational framework. Functionality can be extended with common Python libraries such as NumPy and SciPy...


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Documentation

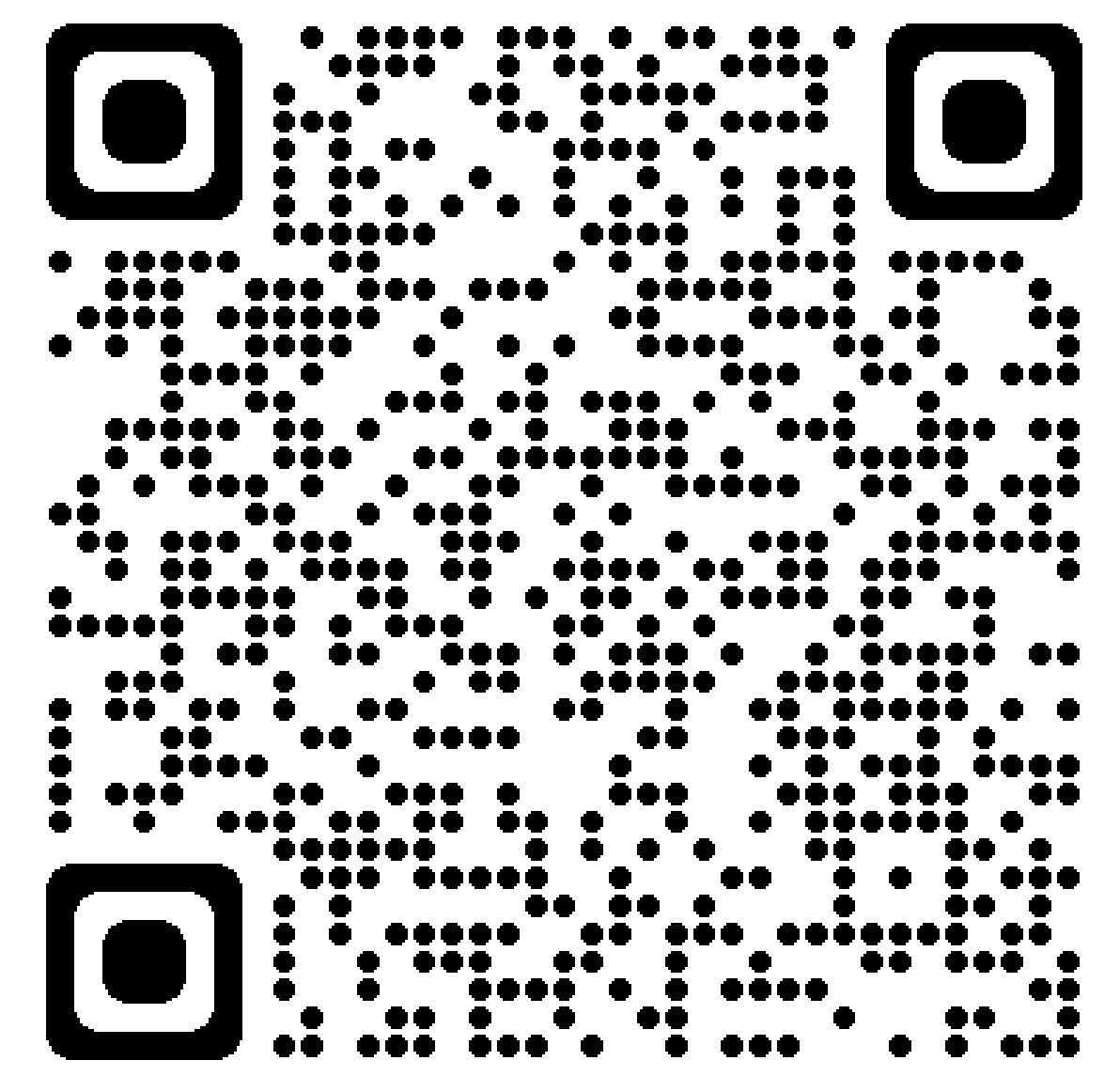
We've got a whole host of documentation, covering the NGC UI and our powerful CLI. You can find out more here. [Go to Documentation](#)



Command Line Interface

Want to get more from NGC? E... be used and managed via our [Now](#)

- **PERFORMANCE OPTIMIZED**
 - Scalable
 - Updated Monthly
 - Better performance on the same system
- **DEPLOY ANYWHERE**
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 - Bare metal, VMs, Kubernetes
 - Multi-cloud, on-prem, hybrid, edge
- **ENTERPRISE READY SOFTWARE**
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 - Tested for reliability
 - Backed by Enterprise support



Explore Breakthroughs in AI and Beyond With the Best of GTC



NVIDIA GTC

<https://www.nvidia.com/gtc/>

Com mais de 650 sessões gratuitas sobre o que há de mais moderno em IA generativa, metaverso, grandes modelos de linguagem ampla (LLMs), robótica, computação em nuvem e muito mais.

Os participantes podem obter insights e treinamento sobre as tecnologias avançadas que transformam as diversas indústrias.

