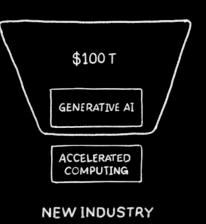
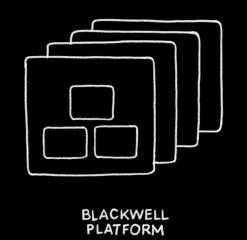


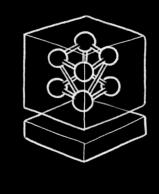


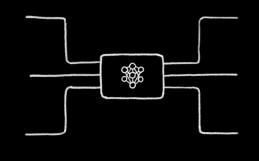


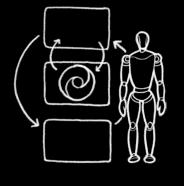
A New Industrial Revolution











NIMs

NEMO AND NVIDIA AI FOUNDRY

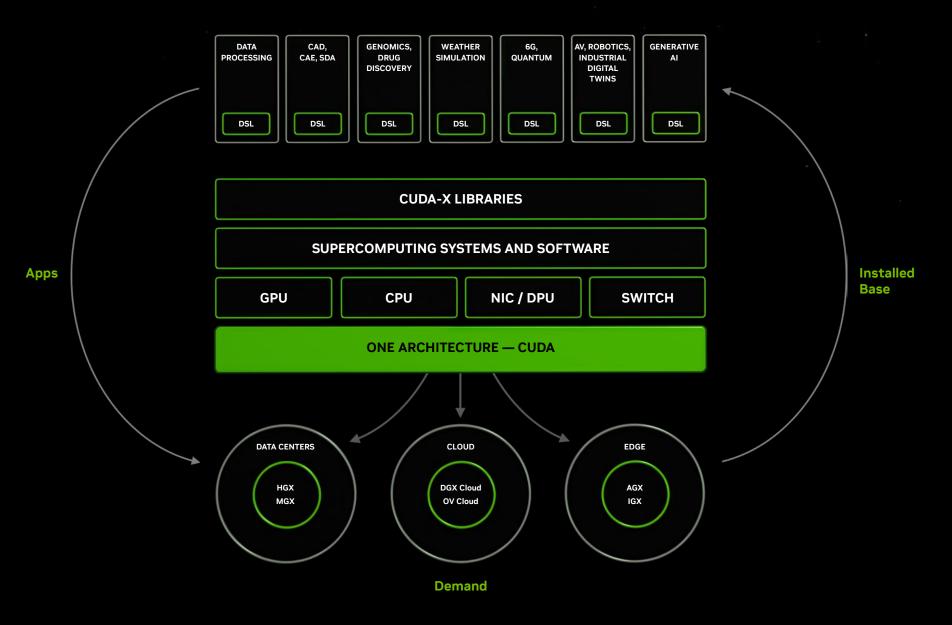
OMNIVERSE AND ISAAC ROBOTICS

"NVIDIA's moat is its software and ecosystem."

The Edge Singapore

The global NVIDIA ecosystem now approaches 5 million developers—capping a record-setting year for new developers. Forty thousand companies have worked with NVIDIA. There are now more than 3,300 GPU-accelerated applications. More than 1,600 generative AI companies are building on NVIDIA.

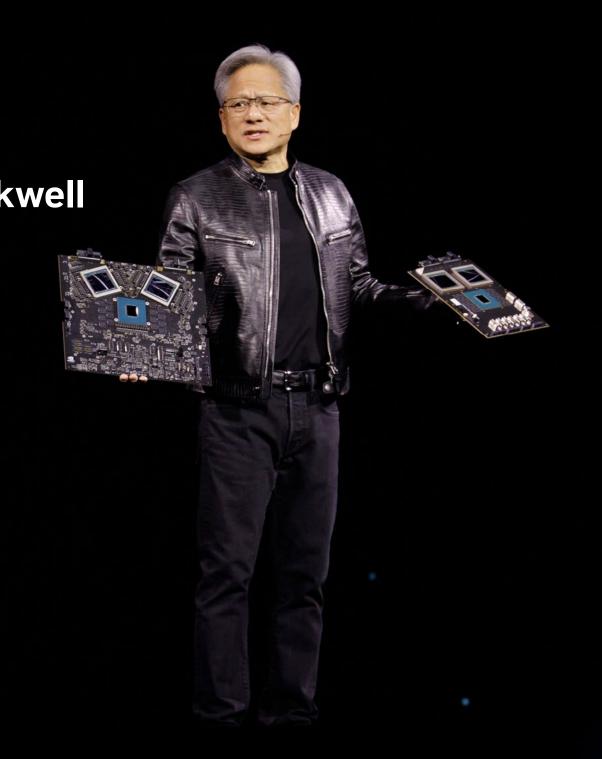
Performance, Ecosystem, Reach



"NVIDIA's new Blackwell chip is key to the next stage of Al."

Bloomberg

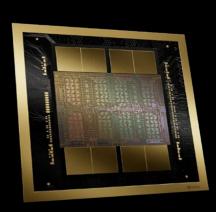
The NVIDIA Blackwell platform has arrived—enabling organizations everywhere to build and run real-time generative AI on trillion-parameter large language models at up to 25X less cost and energy consumption than its predecessor.

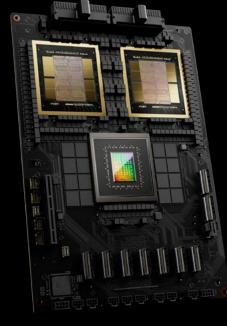




"Meet Blackwell, the new GPU for the Al era."

Engineering.com







NVIDIA Blackwell Platform Arrives to Power a New Era of Computing

GTC—Powering a new era of computing, NVIDIA today announced that the NVIDIA Blackwell platform has arrived — enabling organizations everywhere to build and run real-time generative AI on trillion-parameter large language models at up to 25x less cost and energy consumption than its predecessor.

The Blackwell GPU architecture features six transformative technologies for accelerated computing, which will help unlock breakthroughs in data processing, engineering simulation, electronic design automation, computer-aided drug design, quantur computing and generative AI — all emerging industry opportunities for NVIDIA.

"For three decades we've pursued accelerated computing, with the goal of enabling transformative breakthroughs like deep learning and A," said Jensen Huang, founder and CEO of NVIDIA. "Generative AI is the defining technology of our time. Blackwell is the engine to power this new industrial revolution. Working with the most dynamic companies in the world, we will realize the promise of AI for every industry."

Among the many organizations expected to adopt Blackwell are Amazon Web Services, Dell Technologies, Google, Meta, Microsoft, OpenAl, Oracle, Tesla and xAl.

Sundar Pichal, CEO of Alphabet and Google: "Scaling services like Search and Gmail to billions of users has taught us a lot about managing compute infrastructure. As we enter the Al platform shift, we continue to invest deeply in infrastructure for our own products and services, and for our Cloud customers. We are fortunate to have a longstanding partnership with NVIDIA, and look forward to bringing the breakthrough capabilities of the Blackwell GPU to our Cloud customers and teams across Google, including Google Deeplylind, to accelerate future discoveries."

Andy Jassy, president and CEO of Amazon: "Our deep collaboration with NVIDIA goes back more than 13 years, when we launched the world's first GPU cloud instance on AWS. Today we offer the widest range of GPU solutions available anywhere in the cloud, supporting the world's most technologically advanced accelerated workloads. It's why the new NVIDIA lackwell GPU will run so well on AWS and the reason that NVIDIA chose AWS to co-develop Project Ceiba, combining NVIDIA's next-generation Grace Blackwell SUperchips with the AWS Nitro System's advanced virtualization and ultra-fast Elastic Fabric Adapter networking, for NVIDIA's own AI research and development. Through this joint effort between AWS and NVIDIA engineers, we're continuing to innovate together to make AWS the best place for anyone to run NVIDIA GPUs in the cloud."

Michael Dell, founder and CEO of Dell Technologies: "Generative AI is critical to creating smarter, more reliable and efficient systems. Dell Technologies and NVIDIA are working together to shape the future of technology. With the launch of Blackwell, we will continue to deliver the next-generation of accelerated products and services to our customers, providing them with the tools they need to drive innovation across industries."

Demis Hassabis, cofounder and CEO of Google DeepMind: "The transformative potential of AI is incredible, and it will help us solve some of the world's most important scientific problems. Biackwell's breakthrough technological capabilities will provide the critical compute needed to help the world's brightest minds chart new scientific discoveries."

Mark Zuckerberg, founder and CEO of Meta: "At already powers everything from our large language models to our content recommendations, ads, and safety systems, and it's only going to get more important in the future. We're looking forward to using NVIDIA's Blackwell to help train our open-source Llama models and build the next generation of Meta Atl and consumer products."

Satya Nadella, executive chairman and CEO of Microsoft: "We are committed to offering our customers the most advanced infrastructure to power their AI workloads. By bringing the GB200 Grace Blackwell processor to our datacenters globally, we are building on our long-standing history of optimizing NVIDIA GPUs for our cloud, as we make the promise of AI real for organization expensives."

Sam Altman, CEO of OpenAl: "Blackwell offers massive performance leaps, and will accelerate our ability to deliver leading-edge models. We're excited to continue working with NVIDIA to enhance All compute."

Larry Ellison, chairman and CTO of Oracle: "Oracle's close collaboration with NVIDIA will enable qualitative and quantitative breakthroughs in Al, machine learning and data analytics. In order for customers to uncover more actionable insights, an even more powerful engine like Blackwell is needed, which is purpose-built for accelerated computing and generative AL"

Elon Musk, CEO of Tesla and xAl: "There is currently nothing better than NVIDIA hardware for Al."

Named in honor of David Harold Blackwell — a mathematician who specialized in game theory and statistics, and the first Bla scholar inducted into the National Academy of Sciences — the new architecture succeeds the NVIDIA Hopper™ architecture, launched two years ago.

s to Fuel Accelerated Computing and Generative Al

ary technologies, which together enable Al training and real-time LLM inference for models scaling up to 10 kg.

ful Chip — Packed with 208 billion transistors, Blackwell-architecture GPUs are manufactured using a IMC process with two-reticle limit GPU dies connected by 10 TB/second chip-to-chip link into a single, unifier

Transformer Engine — Fueled by new micro-tensor scaling support and NVIDIA's advanced dynamic range hms integrated into NVIDIA TensorRTM-LLAM and NeMo Megatron frameworks, Blackwell will support double del sizes with new 4-bit floating point Al inference capabilities.

/Link — To accelerate performance for multitrillion-parameter and mixture-of-experts AI models, the latest VLink* delivers groundbreaking 1.8TBI/s bidirectional throughput per GPU, ensuring seamless high-speed pages 15.75 GPU le for the most complex LI Ms.

well-powered GPUs include a dedicated engine for reliability, availability and serviceability. Additionally, the a adds capabilities at the chip level to utilize Al-based preventative maintenance to run diagnostics and forecast maximizes system uptime and improves resiliency for massive-scale Al deployments to run uninterrupted for is at a time and to refuse operating costs.

d confidential computing capabilities protect AI models and customer data without compromising performance, native interface encryption protocols, which are critical for privacy-sensitive industries like healthcare and

ine — A dedicated decompression engine supports the latest formats, accelerating database queries to deliver ince in data analytics and data science. In the coming years, data processing, on which companies spend tens nousally will be increasingly GPL accelerated.

Blackwell Superchip connects two NVIDIA B200 Tensor Core GPUs to the NVIDIA Grace CPU over a 900GB/s

nance, GB200-powered systems can be connected with the NVIDIA Quantum-X800 InfiniBand and Spectr ns. also announced today, which deliver advanced networking at speeds up to 800Gb/s.

ionent of the NVIDIA GB200 NVL72, a multi-node, liquid-cooled, rack-scale system for the most loads. It combines 36 Grace Blackwell Superchips, which include 72 Blackwell GPUs and 36 Grace CPUs generation NVLInk. Additionally, GB200 NVL72 includes NVIDIA BlueField*-3 data processing units to enable on, composable storage, zero-trust security and GPU compute elasticity in hyperscale AI clouds. The GB200 Ox performance increase compared to the same number of NVIDIA H100 Tensor Core GPUs for LLM reduces cost and energy consumption by up to 25x.

ngle GPU with 1.4 exaflops of Al performance and 30TB of fast memory, and is a building block for the newest

300, a server board that links eight B200 GPUs through NVLink to support x86-based generative Al platforms, orking speeds up to 400Gb/s through the NVIDIA Quantum-2 InfiniBand and Spectrum-X Ethernet networking

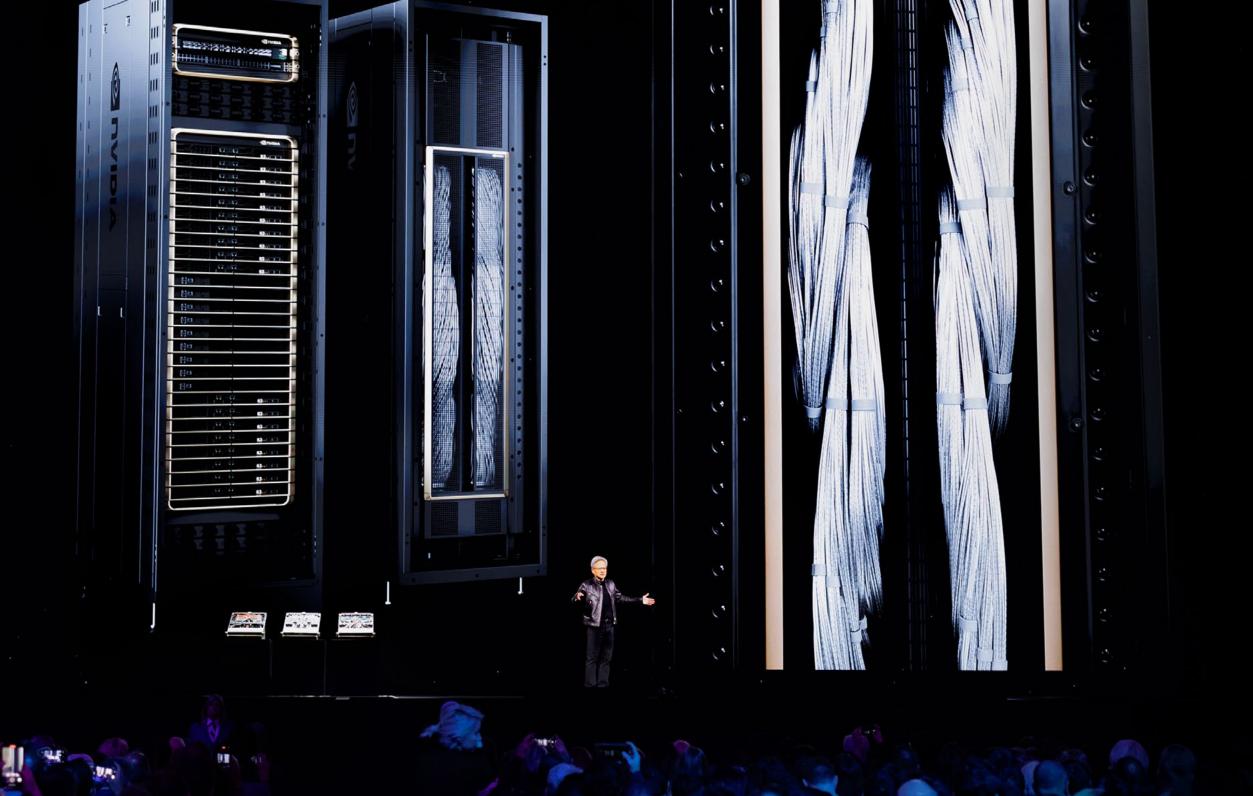
3lackwell Partners

s will be available from partners starting later this ye

soft Azure and Oracle Cloud Infrastructure will be among the first cloud service providers to offer ices, as will NVIDIA Cloud Partner program companies Applied Digital, CoreWeave, Crusoe, IBM Cloud and Jds will also provide Blackwell-based cloud services and infrastructure, including Indosat Ooredoo Hutchinson, acle EU Sovereign Cloud, the Oracle US, UK, and Australian Government Clouds, Scaleway, Singtel, Northern Yotta Data Services' Shakti Cloud and YTL Power International.

le on NVIDIA DGXTM clioud, an Al platform co-engineered with leading cloud service providers that gives dicated access to the infrastructure and software needed to build and deploy advanced generic Al models. Pracle Cloud Infrastructure plan to host new NVIDIA Grace Blackwell-based instances later this year.

ard Enterprise, Lenovo and Supermicro are expected to deliver a wide range of servers based on Blackwell products, as are Aivres, ASRock Rack, ASUS, Eviden, Foxconn, GIGABYTE, Inventec, Pegatron, QCT, Wistron, Wiwynn and ZT Systems



"NVIDIA moved the ball forward with the latest iteration of its speedy NVLink technology."

HPCWire

To accelerate performance for multitrillionparameter and mixture-of-experts AI models, the latest iteration of NVIDIA NVLink delivers groundbreaking 1.8TB/s bidirectional throughout per GPU. This ensures seamless high-speed communication among up to 576 GPUs for the most complex LLMs.



"The new AI platform could be a game changer."

Barron's

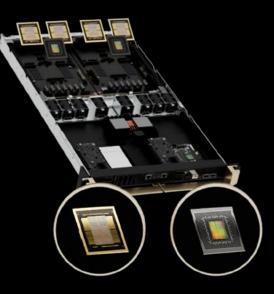
Generative AI is the defining technology of our time. Blackwell is the engine to power this new industrial revolution. Working with the most dynamic companies in the world, we'll realize the promise of AI for every industry.



HGX B100



NVLink Switch



GB200 Superchip Compute Node



Quantum X800 Switch ConnectX-8 SuperNIC



Spectrum X800 Switch BlueField-3 SuperNIC



Google Cloud





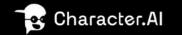
"Widespread adoption anticipated."

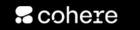
VentureBeat

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Inflection











together.ai



















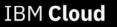






















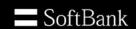














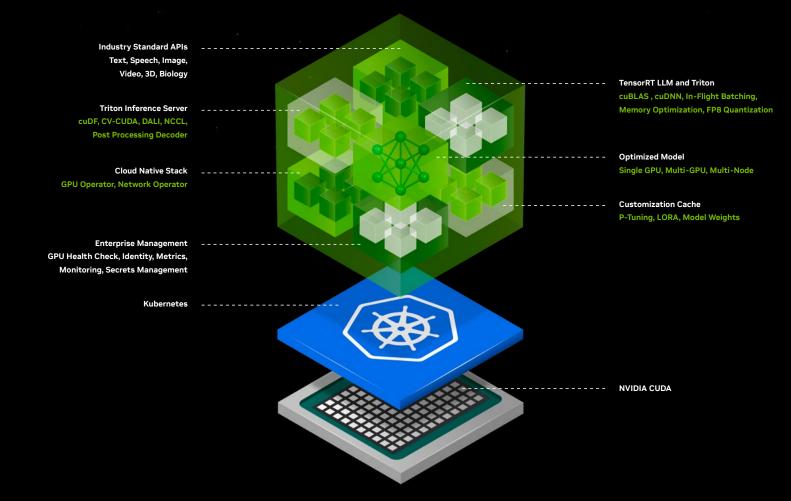












100's of Millions of CUDA GPUs Installed Base

"NVIDIA launches NIM to make it smoother to deploy Al models into production."

TechCrunch

NVIDIA Inference Microservices are a new way to package and deliver AI software. The curated selection of microservices adds a new layer to NVIDIA's full-stack computing platform. This layer connects the AI ecosystem of model developers, platform providers, and enterprises with a standardized path to run custom AI models.



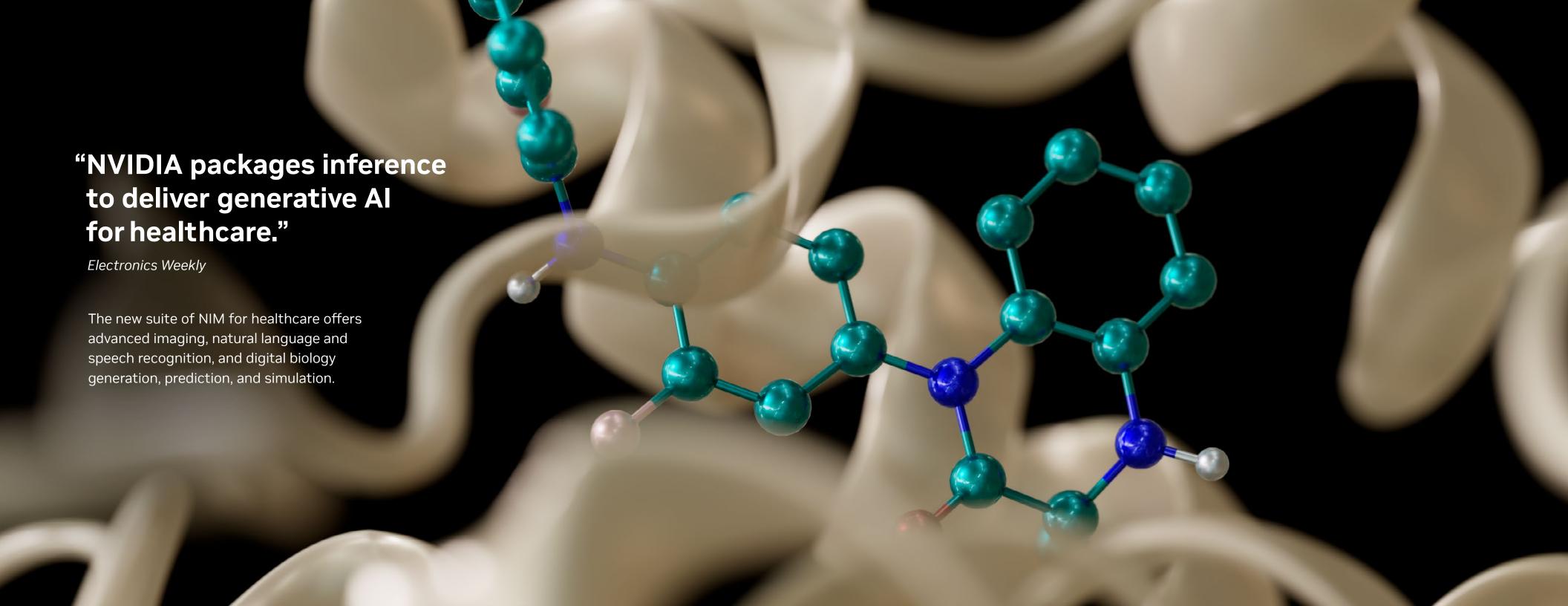
"NVIDIA has virtually recreated the entire planet—and now it wants to use its digital twin to crack weather forecasting for good."

TechRadar





To help combat the \$140 billion in economic losses due to extreme weather brought on by climate change, we announced the Earth-2 digital twin cloud platform for simulating and visualizing weather and climate at unprecedented scale.



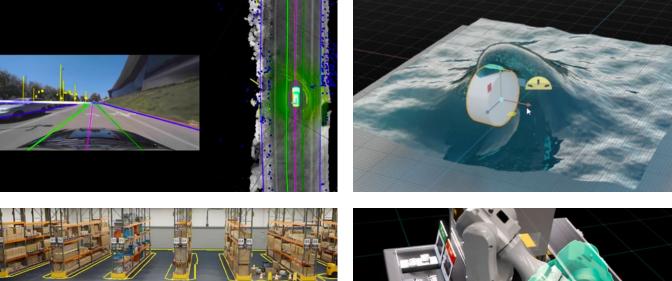
"NVIDIA is working to bring AI robots to life."

Barron's

We announced a collection of robotics pretrained models, libraries, and reference hardware. We also announced Project GROOT, a general-purpose foundation model for humanoid robots, designed to further our work driving breakthroughs in robotics and embodied Al.



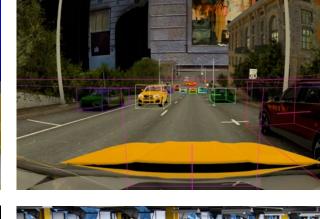




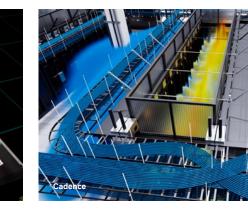












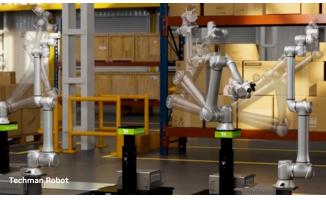








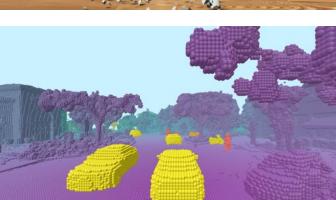




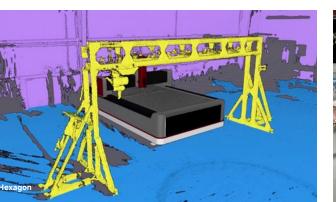




















What Analysts Said...

"Move over Taylor Swift..."

Bernstein

"The soothsayer of Santa Clara did not disappoint."

Cantor

"[NVIDIA] sits on the cusp of an entirely new wave of demand."

UBS

"The leader in AI showcasing innovation across the full stack of accelerated computing."

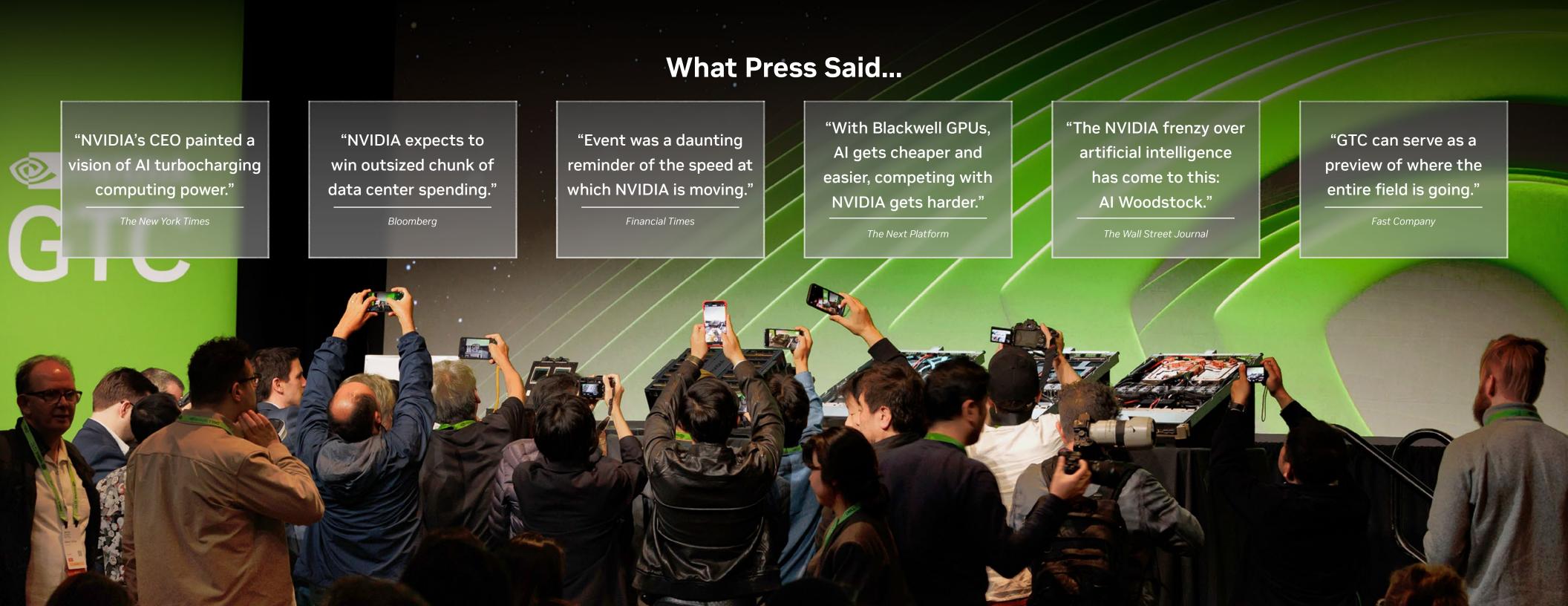
Cowen

"No one else in the industry can match this capability."

Melius

"[NVIDIA]'s platform expansion is remarkable...period!"

Wells Fargo













"NVIDIA's GTC conference, not surprisingly, was an absolute whirlwind."

VentureBeat







"GTC 2024 was the single most important event in the history of the technology industry."

SiliconANGLE theCUBE







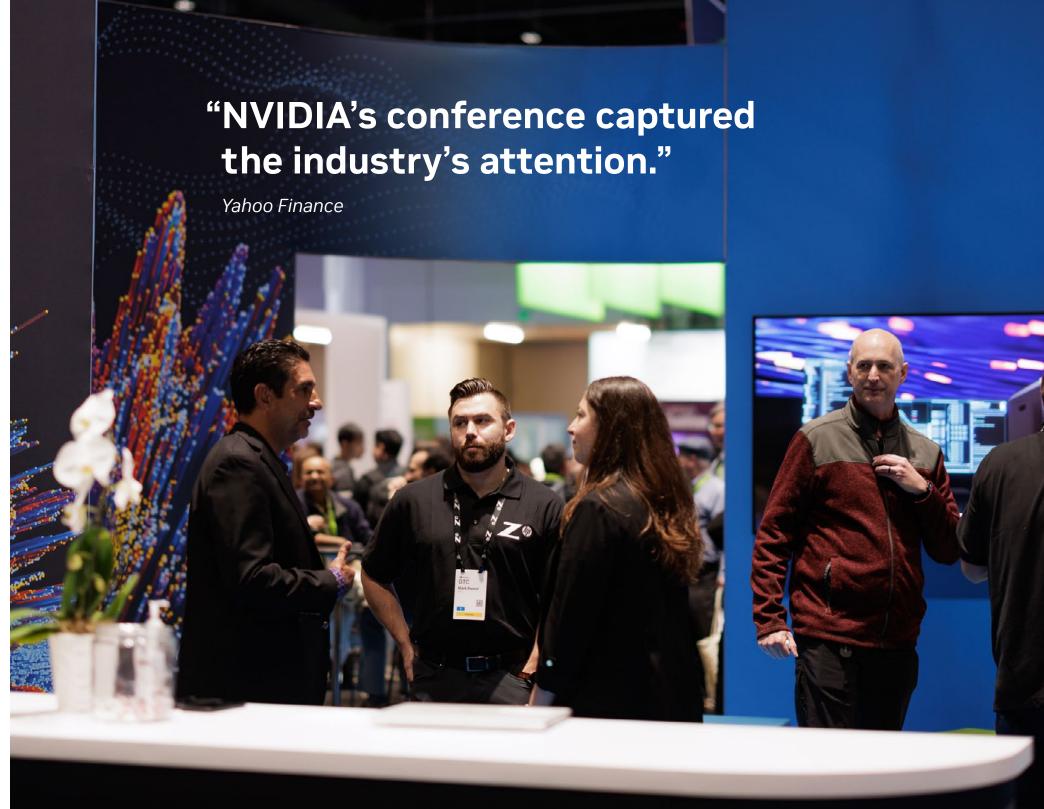




















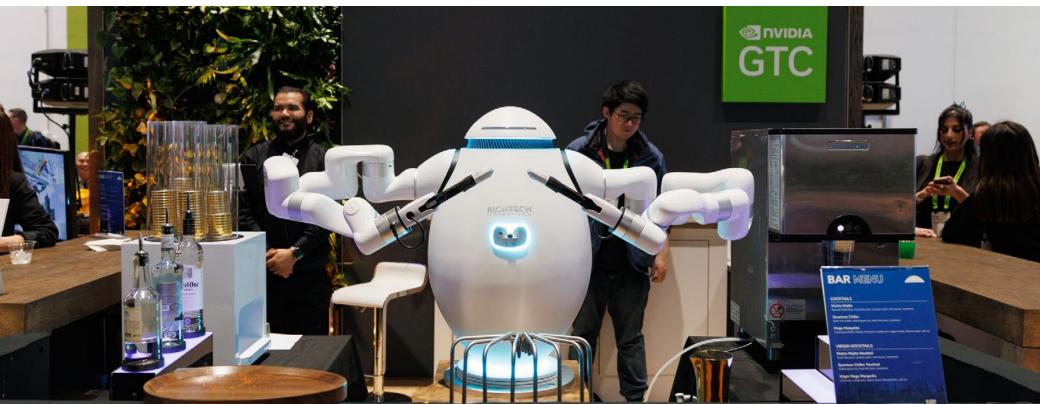






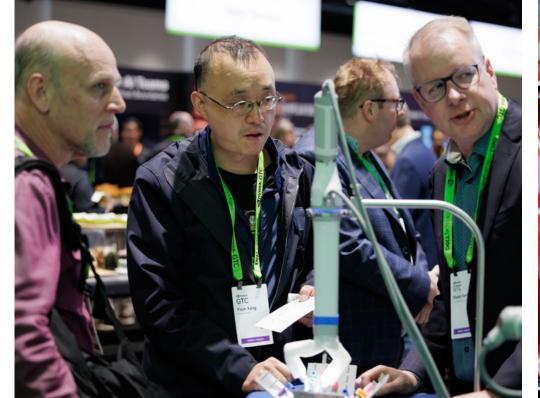


















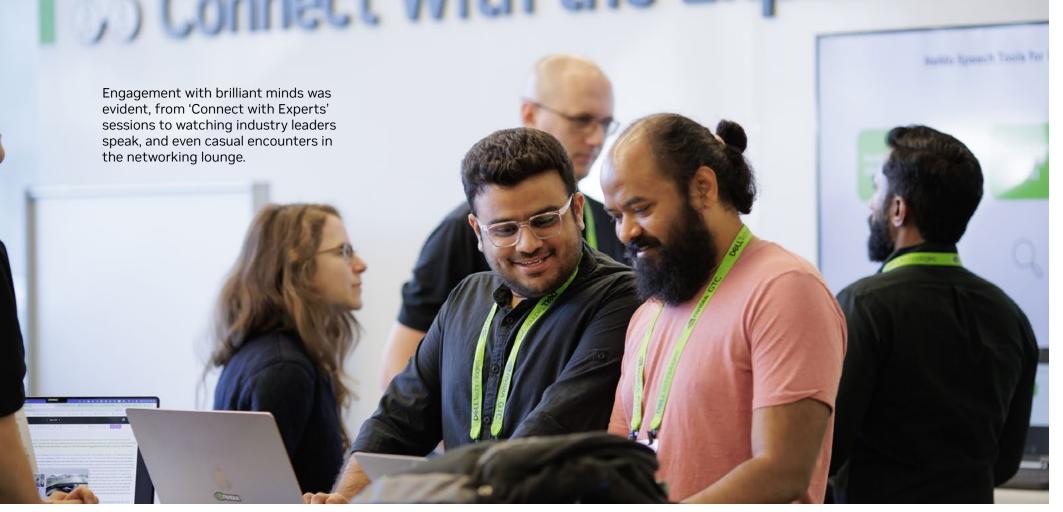


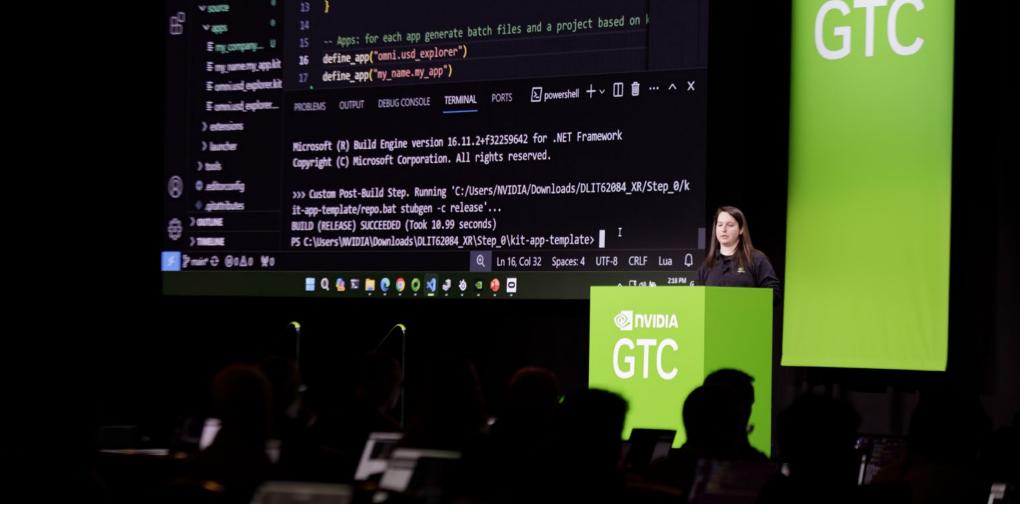






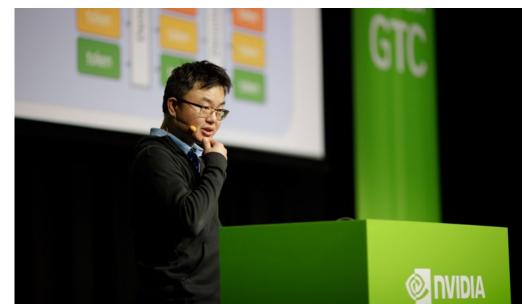








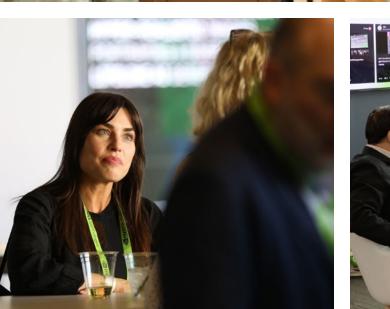




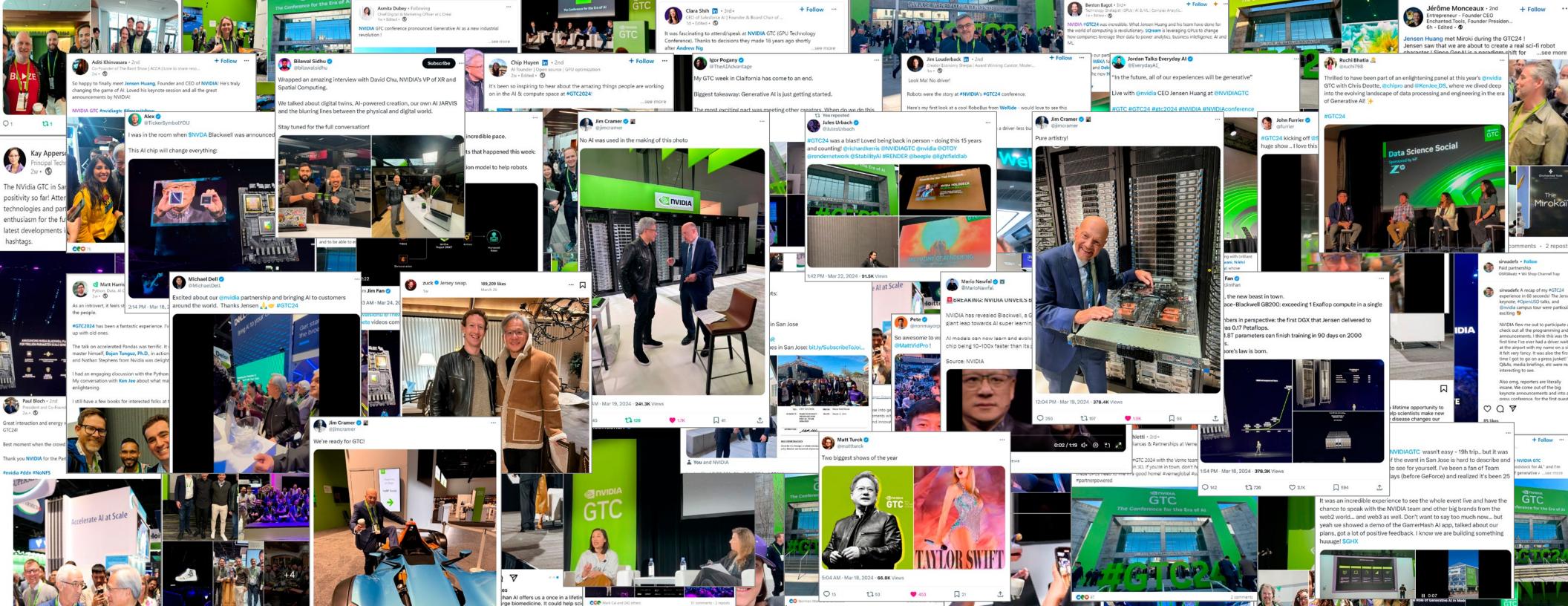














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Jensen Huang

