



BUILDING THE FUTURE STATE OF AI

The University of Florida has partnered with NVIDIA to launch the next version of their supercomputer—which will make it one of the most powerful in U.S. higher education. Together, they've created a blueprint for success in the AI-powered future.

THE ESSENTIAL COMPONENTS OF AI LEADERSHIP

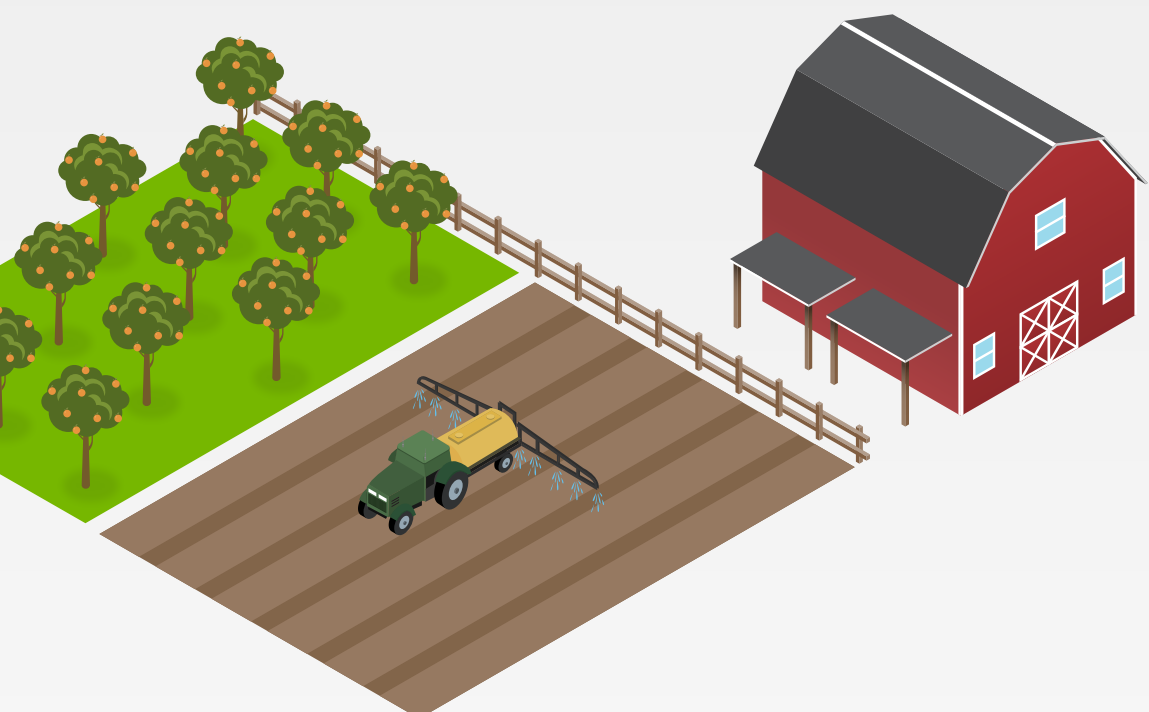
THE POWER TO TACKLE SOCIETY'S BIGGEST PROBLEMS

Supercomputers are essential for AI development, and UF is building the most powerful AI system in academia based on NVIDIA's cutting-edge technology. Whether they're finding new ways to simulate climate change or accelerate drug discovery, researchers will be able to solve the most complex challenges faster than ever.



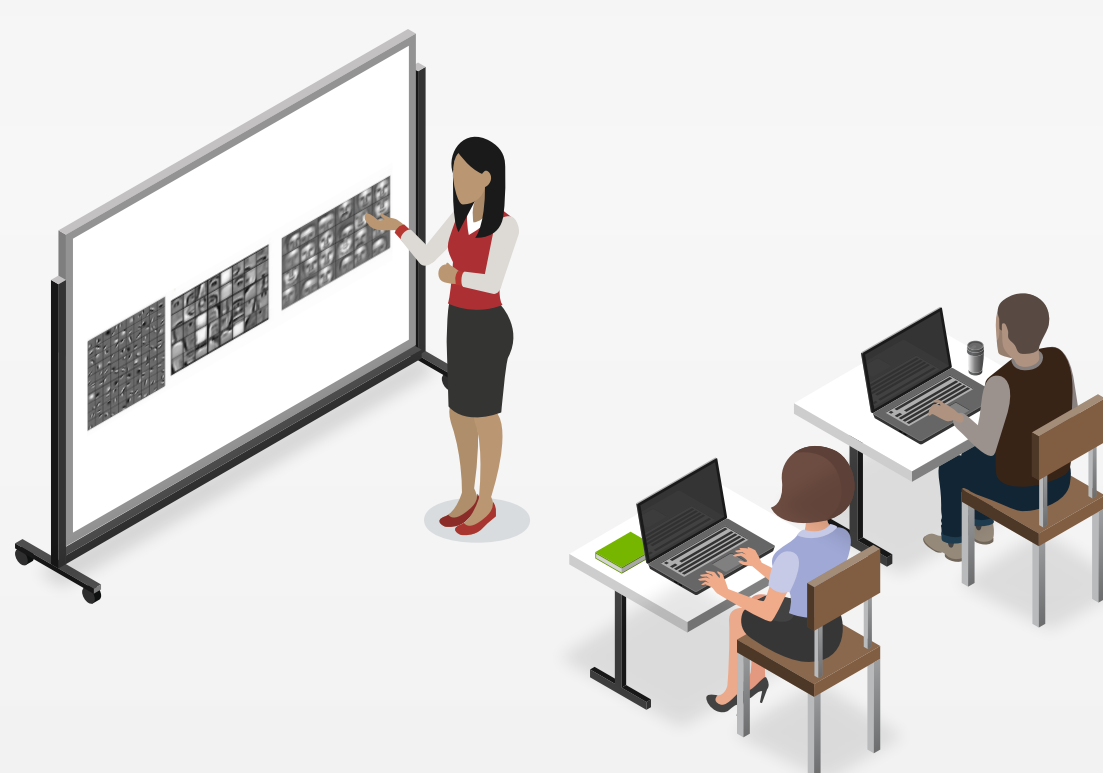
DATA TO CREATE UNIQUE SOLUTIONS FOR YOUR COMMUNITY

Every community has unique challenges and data that can be used to create robust AI solutions. UF plans to explore issues ranging from agriculture to healthcare, finding answers that will improve life for Floridians and all Americans.



INVESTMENTS IN TOP TALENT

Supercomputers and novel challenges make it easier to attract researchers and educators. UF is recruiting 100 AI-focused faculty, in addition to another 500 who will integrate AI into their teaching and research. NVIDIA will provide their world-class AI training.



1 icon = 1,000 Students

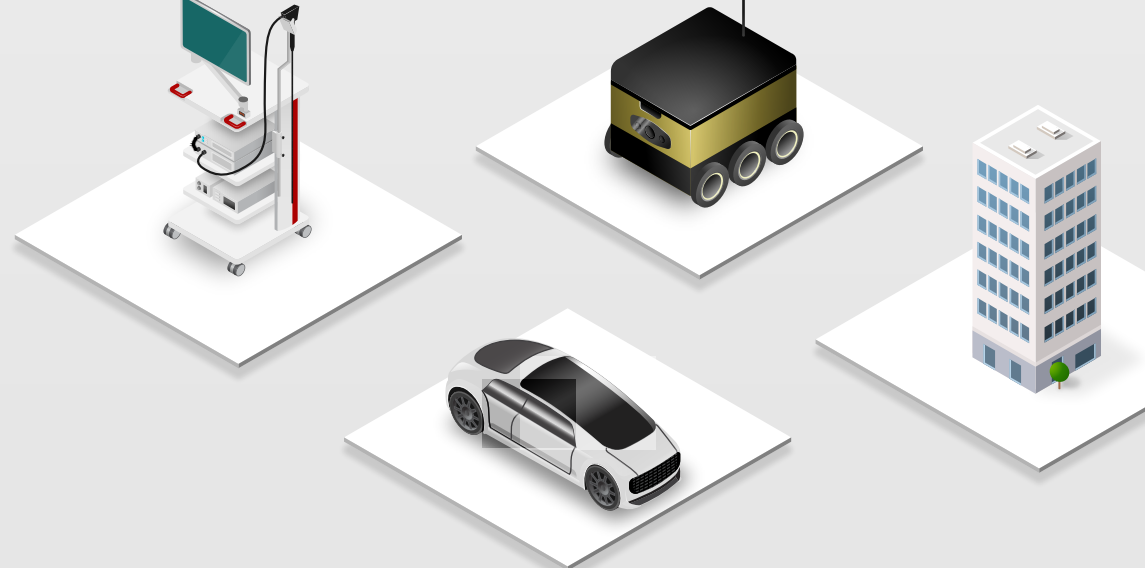
SKILLS TRAINING FOR THE AI-FLUENT FUTURE

AI-related skills and literacy are becoming increasingly essential. UF's new curriculum, created with the help of NVIDIA's AI experts, will teach them to majors across the university—from business to music to art.



PARTNERSHIPS WITH GOVERNMENT, ACADEMIA, AND INDUSTRY

UF worked closely with NVIDIA and local, state, and federal officials to create their state-of-the-art system. Their work will align with other academic and research institutions, driving AI development and building the economy at home.



EQUAL ACCESS TO AI FOR ALL



Partnering with historically black colleges and universities (HBCUs), Hispanic-serving institutions (HSIs), state and regional universities, and K-12 initiatives.



Convening experts across disciplines through UF's Equitable AI program to address bias and unethical practices by creating standards, certifications, and tools.



Engaging academic groups, such as the Inclusive Engineering Consortium, to collaborate with their students on AI training, research, and graduate program recruitment.

A NEW FORCE IN ACADEMIC RESEARCH

140

NVIDIA DGX™ A100 systems

1,120

NVIDIA A100 Tensor Core GPUs

700

petaFLOPS of AI performance

MAKING A DIFFERENCE

This UF and NVIDIA initiative will build a blueprint that every industry and community can leverage to advance understanding and solve our most pressing challenges.

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*This will allow researchers to perform quantum-accurate molecular simulations of proteins to help find cures to diseases like COVID 19. What would've taken more than 6,000 years will now only take a day.**

ADRIAN ROITBERG
Professor of Chemistry, University of Florida

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* Assumes a 10⁶ speedup from the new supercomputer's 140 NVIDIA DGX™ A100 nodes

Learn how to put this AI blueprint into action for your community.

LEARN MORE

