



Top HPC Clusters and Workstations for AI, ML Developed by Nor-Tech



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MINNEAPOLIS, MINN., UNITED STATES, April 12, 2018 -- Nor-Tech, the top experts in Linux-based high-performance technology solutions, just announced they have developed leading-edge clusters and workstations specifically designed for artificial intelligence (AI) and machine learning (ML) applications.

Nor-Tech Executive Vice President Jeff Olson said, "With the depth of engineering experience and expertise and a solid bench of hardware and software partners that we collaborate with, Nor-Tech is uniquely positioned to deliver high performance clusters and workstations developed specifically for AI and ML applications."

Nor-Tech builds AI/ML clusters and workstations with top tier hardware that includes NVIDIA Volta and Tesla GPUs and Skylake Processors. Software includes Bright Cluster Manager with AI/ML functionality.

Nor-Tech is currently working with a long-term government client to repurpose its existing Nor-Tech cluster for a machine learning application. The project includes installation of Bright Cluster Manager; Scientific Linux 7.x, 16; PBS Pro Job Scheduler; and Bioinformatics software.

"In addition to building clusters and workstations designed specifically for AI and ML, our engineers can add those capabilities to existing clusters," Olson said. "Any HPC cluster can be modified down the road for AI/ML and any new cluster can be built for both HPC and AI/ML."

With nearly 20 years of high performance technology design, development, deployment and implementation expertise, Nor-Tech is one of the most respected cluster builders in the world. They are a Certified NVIDIA Accelerated Computing Partner and an Intel Select Solutions Provider for HPC.

The LIGO Gravitational Wave Consortium is one of two Nor-Tech clients that have won Nobel Physics Prizes in the last three years; this client has been able to fully leverage the power of AI with Nor-Tech clusters.

Nor-Tech has been working with several LIGO consortium members, including Cal-Tech, Cal State Fullerton, Syracuse University and University of Wisconsin, Milwaukee, for more than 11 years on the project by designing, building, and upgrading a number of the AI capable clusters that made the original 2017 gravitational wave detection and subsequent detections possible. Artificial-intelligence has the potential to greatly speed up the analysis of gravitational waves, as well as enable the detection of new classes of gravitational-wave sources that may go unnoticed with existing detection algorithms. Nor-Tech continues to build AI technology for the project.

NVIDIA Volta and Tesla GPUs, Skylake Processors, and Bright Cluster Manager are all available for a test drive on Nor-Tech's demo cluster. The demo cluster is a free opportunity for organizations to trial hardware and software or integrate their own software into the demo cluster to see how much faster it will run.

Nor-Tech is on CRN's list of the top 40 Data Center Infrastructure Providers along with IBM, Oracle, Dell, and Supermicro; and is a cluster builder for 2015 and 2017 Nobel Physics Award-winning projects. Nor-Tech engineers average 20+ years of experience. This strong industry reputation and deep partner relationships also enable the company to be a leading supplier of cost-effective desktops, laptops, tablets and Chromebooks to schools and enterprises. All of Nor-Tech's technology is made by Nor-Tech in Minnesota and supported by Nor-Tech around the world. The company has been in business since 1998 and is headquartered in Burnsville, Minn. just outside of Minneapolis. To contact Nor-Tech call 952-808-1000/toll free: 877-808-1010 or visit <http://www.nor-tech.com>.

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