

# AI Jumpstart Cluster

- Cluster was acquired through a grant from the John Adams Innovation Institute/Massachusetts Technology Collaborative
- This computer cluster combines the latest high-performance computing technology to provide resources to a community of researchers and MA industry to address next-generation challenges in the applications of artificial intelligence/machine learning (AI/ML).
- The AI Jumpstart Cluster will provide unique computing capabilities leveraging high performance Graphics Processing Unit (GPU) acceleration and network connectivity
- Project includes Northeastern, Boston University and Tufts University
- Microway was the prime vendor (thank you Eliot)!

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- The AI Jumpstart Cluster
  - 7 state-of-the-art NVIDIA DGX-A100's, each capable of delivering 5 petaflops for deep learning applications
  - 14 nodes of AMD CPU/GPU heterogeneous computing, with 8 MI-50 GPUs, each rated at 26.5 TFLOPs for FP16, and 13.3 TFLOPS for FP32
  - Includes a large memory node (3TB of DDR4 RDRAM)
- The Cluster will also be well integrated with the DARPA 5G Colosseum Simulator System at the Burlington Innovation Campus