



ARTIFICIAL INTELLIGENCE AND QUANTUM COMPUTING

ALBANY/NEW YORK'S CAPITAL REGION

In 2025, the Brookings Institute named Albany/New York's Capital Region one of seven artificial intelligence "Focused Movers," "where top-tier computer science program and large employer bases ensure talent density scores exceed the national benchmark." Thanks to programs at the **University at Albany** and **Rensselaer Polytechnic Institute**, the region has "strong AI talent supplies." These two R1 research universities annually drive more than \$50 million in computer and information science R&D. UAlbany houses one of the most advanced AI supercomputers at a U.S. university: \$16.5M. RPI also houses the first **IBM Quantum System One** on a university campus as well as the **Artificial Intelligence Multiprocessing Optimized System (AiMOS)**.

Other major AI R&D assets in the region include **IBM Research's AI Hardware Center** at the **Albany NanoTech Complex** and **Advanced Research Centers** for **GE Vernova**, **GE Aerospace** and **GE Healthcare**. **Kitware** has received more than 100 federal contracts totaling more than \$100 million for AI R&D.



REGIONAL GROWTH

- 1.1M Population
- #1 Net gain in young adults (18-35) statewide since 2020
- 168% Increase in university computer/information sciences R&D (FY2023-24)
- 19th Top AI innovation metro in U.S. (CommercialCafe, 2024)



TALENT PIPELINE

22 COLLEGES & UNIVERSITIES

50+ COMPUTER & INFORMATION SCIENCES DEGREE & CERTIFICATE PROGRAMS

20,000 DEGREES AWARDED/YR
Including 4,000 in STEM

5,751 JOBS IN COMPUTER SYSTEMS DESIGN & RELATED SERVICES

3,190 Software Developers

660 Data Scientists

140 Computer & Information Research Scientists

INDUSTRY ASSETS

AI AND QUANTUM R&D



STARTUP COMPANIES



SUPPLY CHAIN

HEALTHTECH

Aptihealth
iSimulate
LevrX Technology
UTM Healthcare
XchangeWorx

BIOTECH

Early Alzheimer's Diagnostics
EndoSoft
ITrakNeuro
Prxcision

CONSUMER SERVICES

InfoLink
MorningLine.AI

BUSINESS/GOVERNMENT SERVICES

Adirondak
AgileRadioCom
Deep Detection
deFacto Global
EnterpriseWeb
Fleetworthy
Markets EQ
MavQ
ReWire Energy
Transfinder

RESEARCH

Dynamo.AI
Kitware
Nowigence



The Center for Economic Growth (CEG) leads business attraction and expansion activities for Albany/NY's Capital Region. Our team can provide assistance with site selection, incentive coordination, market research, access to workforce, supply chain connections, and more. **Contact James Schlett, Director of Research and Communications at james@ceg.org.**

