

Exceptional service in the national interest



Career Opportunities in Artificial Intelligence, Machine Learning, and Data Science

Seeking Applicants!

The Computer Science Research Institute (CSRI) invites applications for a research scientist or engineer with emphasis on artificial intelligence (AI), machine learning (ML), and data science (DS). We seek candidates with proven academic credibility, technical leadership, and dedication to team-based innovation and entrepreneurship. The selected applicant can be a virtual worker located in any U.S. State or District of Columbia. Regular or periodic travel to your assigned work location may be required.

We are looking for people to join us in solving real-world problems with real-world data. Successful candidates will demonstrate interest in translating fundamental research into practical solutions to challenging problems of national importance. CSRI staff combine fundamental research with innovative technology development to support a broad range of applications in the national interest. Examples range from physics and data-driven modeling and simulation for advanced engineering to sensor data analysis for nonproliferation to network data analysis for cyber security applications.

Qualifications We Require

- PhD in computer science, statistics, data science, information science, applied mathematics, engineering, or physical science, or a PhD in a related field with a bachelor's or master's degree in science, technology, engineering, or mathematics (STEM)
- Research experience in AI/ML/DS
- A proven track record of publication in peer-reviewed journals or competitive peer-reviewed conferences
- Computer programming experience
- Able to acquire and maintain a DOE Q-level security clearance

Qualifications We Desire

- Ability to perform in highly collaborative and interdisciplinary team-focused environments
- Strong communication skills and a demonstrated ability to develop technical ideas and results and present them in oral and written form to audiences with diverse technical backgrounds
- Dedication to encouraging an inclusive culture
- Experience with AI/ML/DS software tools such as Python, R, Tensorflow, PyTorch, or tools you have developed
- Ability to adapt to different software and hardware platforms and languages, including high-performance computing and parallelization
- Experience attracting, recruiting, supervising, and mentoring students, post-docs, and early-career researchers
- A proven record of sponsored research and experience in leading interdisciplinary research teams

About Our Team

The Machine Intelligence department conducts cutting-edge research in machine learning and artificial intelligence for national security applications. Our mission is to research, develop, and deploy methods that are credible, robust, and help decision makers in a variety of domains. Specific focus areas include rigorous uncertainty quantification for machine learning, computational social science, geospatial analytics, intelligent agents, knowledge representation, and open-source data analytics. We interact and collaborate with a broad range of Sandia staff and government customers while also maintaining a research presence in the external professional community by collaborating with both universities and industry. Members of the department publish peer-reviewed literature, participate in professional societies, and referee for conferences and journals.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or veteran status.

Apply online at:
sandia.gov/careers
Job ID: 681127

About Sandia:
Our culture values work-life balance; we offer programs such as flexible work schedules with alternate Fridays off, on-site fitness facilities, and three weeks of vacation. Sandia provides employees with a comprehensive benefits package that includes medical, dental, vision, and a 401(k) with company-match.

Sandia National Laboratories is the nation's premier science and engineering lab for national security and technology innovation. We are a world-class team of scientists, engineers, technologists, post docs, and visiting researchers all focused on cutting-edge technology, ranging from homeland defense, global security, biotechnology, and environmental preservation to energy and combustion research, computer security, and nuclear defense.

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