



# 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.*

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**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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Life-changing careers.*

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**[www.sandia.gov](https://www.sandia.gov)**



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