

Postdoctoral Fellow in Artificial Intelligence and Machine Learning
Southern Methodist University

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Posted Jan. 14, 2025, set to expire May 18, 2025

Job Title	Postdoctoral Fellow in Artificial Intelligence and Machine Learning
Department	O'Donnell Data Science and Research Computing Institute https://www.smu.edu/provost/odonnell-institute
Institution	Southern Methodist University Dallas, Texas
Date Posted	Jan. 14, 2025
Application Deadline	Feb. 15, 2025
Position Start Date	Mar. 15, 2025
Job Categories	Post-Doc
Academic Field(s)	Computer/Information Sciences
Apply Online Here	https://apply.interfolio.com/161910

Apply By Email

Job Description

The rapid evolution of Machine Learning (ML) and Artificial Intelligence (AI) is reshaping industries and societies. A specific research area of SMU's O'Donnell Data Science and Research Computing Institute (ODSRCI) is the development and exploration of scalable AI/ML applications using HPC technologies. The Postdoctoral Fellow in AI/ML will help position SMU as a respected leader in future computing technologies. The ODSRCI was recently created to enhance data science and AI/ML research across SMU campus, enabled by state-of-the-art HPC infrastructure, including an AI-supercomputer (NVIDIA SuperPOD). In particular, the Postdoctoral Fellow will help SMU in advancing AI/ML methods that create real-world impact such as digital twins and AR/VR technologies.

The Postdoctoral Fellow will design and implement novel, large scale AI/ML methods. He/she will

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collaborate with SMU researchers seeking to scale-up AI/ML applications on HPC platforms. The Postdoctoral Fellow will also provide technical mentorship and guidance to students, assist in preparing multi-disciplinary proposals, and prepare technical reports/papers for publication in journals and conferences. The Postdoctoral Fellow will receive advanced training from senior researchers to enhance professional skills and research independence needed for pursuit of a career.

SMU is a nationally ranked, private, non-sectarian research institution located in one of the nation's fastest growing metropolitan areas. Postdoctoral Fellows are part of an inclusive and intellectually vibrant community of internationally recognized scholars across the humanities, social sciences, mathematical sciences, engineering, and business. We offer the rare confluence of a comprehensive global research institution and a close-knit intellectual enterprise in the liberal arts tradition.

SMU's Second Century Campaign was the largest fundraising initiative in SMU's history, raising \$1.15 billion by the end of 2015 and a new \$1.5 billion campaign, SMU Ignited, has begun. Dallas/Fort Worth Metroplex is a culturally rich arts and global business center and is home to many universities, arts organizations and Fortune 500 corporations. Explore the O'Donnell Data Science and Research Computing Institute at <https://www.smu.edu/provost/odonnell-institute> and SMU at <http://www.smu.edu>.

Qualifications

Required qualifications include a Ph.D. in computer science or a related field and a strong knowledge of the theory and practice of AI/ML. Other requirements are hands-on experience in parallel programming and GPU programming. Experience with high performance computing is preferred.

Application Instructions

Applications must be submitted electronically via Interfolio (<https://apply.interfolio.com/161910>) and should include a current curriculum vitae and at least three letters of recommendation. To ensure full consideration for the position, the application packet must be received by February 15, 2025, but the committee will continue to accept applications until the position is filled. Anticipated start date is March 15, 2025. All applications will be acknowledged. SMU is an equal opportunity employer. We particularly welcome applications from minority and women scholars.

Hiring is contingent upon the satisfactory completion of a background check.



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SMU will not discriminate in any program or activity on the basis of race, color, religion, national origin, sex, age, disability, genetic information, veteran status, sexual orientation, or gender identity and expression. The Assistant Vice President for Access and Equity/Title IX Coordinator is designated to handle inquiries regarding nondiscrimination policies and may be reached at the Perkins Administration Building, Room 204, 6425 Boaz Lane, Dallas, TX 75205, 214-768-3601, accessequity@smu.edu.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact