

Postdoctoral Associate
University at Buffalo, The State University of New York

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Posted Aug. 30, 2024, set to expire Aug. 4, 2025

Job Title	Postdoctoral Associate
Department	Chemical & Biological Engineering
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Aug. 30, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Chemical/Petroleum Bioengineering (all Bio-related fields)
Job Website	https://www.ubjobs.buffalo.edu/postings/52492

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Job Description

The Shi group is seeking motivated postdoctoral researchers with an excellent work ethic and background in molecular simulation and machine learning.

Job responsibilities will include:

- Develop simulation algorithms and software to model challenging gas adsorption behavior in porous materials
- Develop novel machine learning model for predicting gas adsorption behavior
- Investigate molecular transport and separation mechanisms for membrane process
- Publish journal articles and present research in professional conferences

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Outstanding Benefits Package

Working at UB comes with benefits that exceed salary alone. There are personal rewards including comprehensive health and retirement plan options. We also focus on creating and sustaining a healthy mix of work, personal and academic pursuit – all in an effort to support your work-life effectiveness. We support your growth and development through our career coaching and training department and we qualify as a public service loan forgiveness organization. Learn more about our [benefit packages](#).

About The University at Buffalo

The University at Buffalo (UB) #ubuffalo is one of America's leading public research universities and a flagship of the State University of New York system, recognized for our excellence and our impact. UB is a premier, research-intensive public university dedicated to academic excellence. Our research, creative activity and people positively impact the world. Like the city we call home, UB is distinguished by a culture of resilient optimism, resourceful thinking and pragmatic dreaming that enables us to reach others every day. Visit our website to learn more about the [University at Buffalo](#).

University at Buffalo is an affirmative action/equal opportunity employer and, in keeping with our commitment, welcomes all to apply including veterans and individuals with disabilities.

Minimum Qualifications

- PhD in Chemical Engineering or a related field.
- The candidate should have a background in at least one of the following areas: molecular simulation, programming (e.g., Python), machine learning

Preferred Qualifications

- Strong publication record
- Ability to work independently
- Previous experience in similar research topics listed in position summary

Contact Information

Please reference Academickeys in your cover letter when

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applying for or inquiring about this job announcement.

Contact

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