



Assistant/Associate Professor - Data Science

The Department of Data Science at New Jersey Institute of Technology (NJIT) invites applications for tenure-track faculty positions starting in Fall 2023.

Areas of special interest are: **Big Data, Biomedical Informatics, Data Visualization, High-Performance Data Analytics, and Machine Learning.**

Exceptional candidates in other areas will also be considered. While we are interested in hiring at the rank of Assistant Professor, exceptional candidates at higher ranks will also be considered. Senior candidates will be expected to play a leadership role as the Associate Director of the new NJIT Institute for Data Science, whose Director is Distinguished Professor David Bader.

Applicants must have a Ph.D. degree by Summer 2023 in a relevant discipline, and outstanding academic credentials that demonstrate their ability to conduct independent world-class research and attract external funding. The successful candidate is also expected to show a commitment to both undergraduate and graduate education. **International candidates are especially welcome.**

NJIT is a Carnegie R1 Research University, with \$166M research expenditures in FY21. The Department of Data Science is a new department launched in Fall 2021, currently has 9 faculty members and plans to grow significantly over the next five years. The department includes faculty at all levels including one Distinguished Professor, has faculty with an NSF CAREER award, active NSF and DOE grants, and an NVIDIA AI Lab. The department faculty develop foundational data science methods and conduct research to solve real-world grand challenges that leverage data science in application areas such as FinTech, Health Informatics, and Cybersecurity and play a key role in the NJIT Institute for Data Science, the Center for Big Data, the Cybersecurity Research Center, and the Center for AI Research. The department has strong connections with local industry and works closely with many companies through student Capstone projects, internships, co-ops and joint R&D projects; these include the major high-tech companies (Amazon, Facebook, Google, Microsoft) as well as financial / Wall Street companies (Bank of America, JP Morgan Chase) and Pharmaceuticals (Johnson and Johnson, Merck). Data Science participates aside of the Computer Science Department, which enrolls approximately 2,400 students at all levels across nine programs of study, and the Informatics Department, that enrolls 1,000 students at all levels, in the Ying Wu College of Computing (YWCC). YWCC comprises 34% of the NJIT enrollment, educating more than 4,000 students in computing disciplines, and graduating ~1,000 computing professionals every year. **As such, it is the largest producer of computing talent in the tri-state (NY, NJ, CT) area.** The Data Science Department is housed in a state-of-the art facility renovated in 2018. The Ying Wu College of Computing is undergoing significant growth as a priority area for NJIT. This growth is an integral part of NJIT's five-year strategic plan, which calls for consolidating NJIT as a world-class institution of higher education and research.

Applied research, collaboration with industry, innovation and entrepreneurship are encouraged and supported. Performance and tenure expectations are aligned with those of the broader academic computing community, with an emphasis on grant funding and publishing in top conferences and journals. NJIT is located in Newark's University Heights, a vibrant sprawling downtown campus close to Rutgers-Newark, New Jersey Innovation Institute, Essex Community College, New Jersey Medical School, University Hospital, and Rutgers School of Dental Medicine. **NJIT is just a 30-minute train ride from New York City and its burgeoning Silicon Alley tech sector.** NJIT has recently expanded its graduate programs to Jersey City, just across the Hudson River from the financial district of Lower Manhattan in New York City, where it serves the many working professionals in that region.

Known as The Garden State, New Jersey ranks third in the nation in terms of median household income, features excellent quality of life, and offers a wide range of lifestyle and entertainment options, including urban areas (Newark/ New York metropolitan area), suburban areas (Princeton), oceanfront areas (Atlantic City, the Jersey Shore) and rural / bucolic areas (along the Delaware River in Western New Jersey). Also, Newark's Penn Station is on Amtrak's Northeast Corridor, which links several metropolitan areas from Washington DC to Boston MA by the Acela high speed train.

You must submit additional candidate materials online at <https://academicjobsonline.org/ajo/jobs/22916>; the additional candidate materials include a cover letter, CV, Research Statement, Teaching Statement, and the contact information for at least three references.

NJIT recognizes the importance of Diversity, Equity, and Inclusion (DEI) in academia and society at large. Candidates who have a track record in DEI are requested to also submit an optional Diversity Statement.

Applications received by 31 December 2022 will receive full consideration. However, applications are welcome until the position is filled. Applications will be evaluated as they are received. Contact address for <mailto:inquiries:ds-faculty-search@njit.edu>

Diversity is a core value of NJIT and we are committed to make diversity, equity and inclusion, part of everything we do. We celebrate the diversity of our university community and recognize the cultural and personal differences. We strive to cultivate an inclusive campus culture that promotes excellence among our faculty, staff and students. Building a robust and diverse community is critical to NJIT's continuing status as a premier institution of higher education and a leading polytechnic university.

To apply, visit <https://apptrkr.com/3567326>