Staff Associate III Position in the Department of Industrial Engineering and Operations Research

The IEOR department invites applications for a position that covers a wide range of roles in real estate industry and technology including conducting in-depth research in real estate markets, experience with acquisition and financing of real estate properties, and working with real estate related securities. Candidates should have at least 10 years of experience in the real estate industry, and should have a good knowledge of data processing, data mining, data analytics, machine learning, deep learning, and spatial analysis as they relate to applications in the real estate industry, as well as a track record of leading digital transformation projects in the real estate industry for large companies. The candidate should have a good understanding of the intersection of both industry and academia’s needs in order to find projects of mutual value and interest to both parties and can communicate and interact with executives, faculty, and students to achieve the end goal. Prior experience in a top-tier academic environment and familiarity with academic research policies and processes is encouraged.

S/he will communicate directly with our partner companies and the students to determine next steps in research, discusses any challenges or roadblocks to successful completion of the research project, and work with students to explain the nuances of each problem to ensure the objectives are successfully accomplished. Students will work closely with her/him on collecting, pre- and post-processing of data and testing and validating different techniques for feature engineering on data. Research includes applying artificial intelligence and machine learning to the built environment that requires new methodologies and techniques for collecting and creating data that can be used for a wide range of purposes, such as pandemic friendly buildings, air quality sensor anomaly detection, elevator destination dispatch optimization, foundational characteristics of real estate. The position is part of a broader initiative at Columbia Engineering to leverage academic research in artificial intelligence applications in real estate and related fields. The candidates must hold a Bachelor Degree in Data Science, Finance, and Industrial Operations Engineering is required, Master degree is preferred in Analytics, Data Science, Finance, Real Estate, or Industrial Operations Engineering or related areas.

Columbia fosters multidisciplinary research and encourages collaborations with academic departments and units across the university. The Department is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.
For additional information and to apply, please see:  http://engineering.columbia.edu/faculty-job-opportunities or https://pa334.peopleadmin.com/postings/7578.  Applications should be submitted electronically and include the following: curriculum-vitae, cover letter, and contact information for three experts who can provide letters of recommendation. At least one of the letters of recommendation must address teaching experience and developing curriculum in applied technology projects in real estate industry. Candidates will be considered on a rolling basis.

All applications received by May 26, 2021 will receive full consideration.

Applicants can consult ieor.columbia.edu for more information about the department.

Columbia University is an Equal Opportunity/Affirmative Action employer---Disability/Veteran.