Assistant Professor in Artificial Intelligence and Machine Learning
Lawrence Technological University

Job Title	Assistant Professor in Artificial Intelligence and Machine Learning
Department	Electrical and Computer Engineering (ECE) and Mathematics and Computer Science (MCS) https://www.ltu.edu/engineering/electricalandcomputer/
Institution	Lawrence Technological University Southfield, Michigan
Date Posted	Jan. 22, 2024
Application Deadline	Open until filled
Position Start Date	August 2024
Job Categories	Assistant Professor
Academic Field(s)	Robotics Computer Engineering Computer Science
Apply By Email	
Job Description	

Lawrence Technological University in Southfield, Michigan, is seeking to hire an Assistant Professor in the broad area of artificial intelligence and machine learning to be appointed jointly in the Department of Electrical and Computer Engineering (College of Engineering) and Department of Mathematics and Computer Science (College of Arts and Sciences). Candidates with expertise in, but not limited to, data visualization, machine learning, cognitive intelligence, intelligent actuators, cybersecurity, informatics, medical diagnoses, robotics, blockchain technologies are encouraged to apply.

Required qualifications:

- Earned doctorate from an accredited university in computer engineering, computer science, or a

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closely related field. Postdoctoral experience is highly desirable
- Demonstrable interest in teaching and mentoring graduate and undergraduate students
- Interest in establishing a robust and externally-funded research program
- Experience in artificial intelligence/machine learning demonstrated by a strong publication record
- Strong interest in programming and computational approaches
- Ability to work in an interdisciplinary, collaborative team
- Interest in working in a fast-paced research environment

Roles and responsibilities:

The successful candidate is required to teach graduate and undergraduate courses as assigned, mentor undergraduate and graduate students, and establish a strong, externally-funded research program in his/her area of expertise. In addition, the successful candidate will also contribute to the department, college, and university functions. Because this position is a joint appointment between two colleges, the successful candidate is expected to work in a highly interdisciplinary and collaborative environment across departments and colleges. The successful candidate will utilize artificial intelligence and machine learning techniques to accelerate the design of novel methods including (i) regression techniques for prediction (Gaussian process regression, artificial neural network, random forest, etc.), and (ii) optimization methods (Bayesian optimization, swarm optimization, etc.), (iii) algorithms for data cleansing, outlier identification, etc., (iv) identification of relevant fingerprints/descriptors, (v) classification methods, and (vi) PLCs, industrial automation, robotics and sensor fusion. Knowledge of Allen-Bradley software, Siemens PLC software, National Instruments platforms, dSPACE platforms, ROS, MATLAB and Simulink, TensorFlow is highly desirable.

How to apply:

Interested candidates must submit a complete, updated resume, a statement of teaching interests and philosophy, a statement of research interests and goals, and a list of three references with contact information, Please submit materials as a single PDF file via email to eechair@ltu.edu. Consideration of applications will begin August 10, 2022 and will continue until the position is filled. Effective date of employment is August, 2024.

Lawrence Technological University conducts pre-employment screening on initial candidates for all positions, which may include but is not limited to, a criminal background check, verification of academic credentials, license, certifications, and/or verification of work history.

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EEO/AA Policy

Lawrence Technological University is an Equal Opportunity/Affirmative Action Employer.

Contact Information

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

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