K.G. Tan Endowed Chair Professor of Artificial Intelligence - Full Professor
Syracuse University

Job Title	K.G. Tan Endowed Chair Professor of Artificial Intelligence - Full Professor
Department	Electrical Engineering and Computer Science http://eecs.syr.edu
Institution	Syracuse University Syracuse, New York
Date Posted	Oct. 14, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Associate Professor Professor Endowed/Distinguished Professor
Academic Field(s)	Electrical and/or Electronics Computer Engineering Computer Science
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Job Description	

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Job #: 077983
Location

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Syracuse, NY
Pay Range: $160,000 - $222,700
Hours: Determined by Department Chair
Job Type: Full-time

Job Description:
Syracuse University's Department of Electrical Engineering and Computer Science (http://eecs.syr.edu) in the College of Engineering and Computer Science (https://eng-cs.syr.edu) seeks a top scholar in the field of Artificial Intelligence (AI) to serve as the inaugural K.G. Tan Endowed Chair Professor.

Kwang G. Tan is a pioneer in computing, having started by building functional units for IBM in the early 1960s. Tan received his doctorate from Syracuse University in 1973 supported by the IBM residence program. Recognized for his contributions he was selected for important leadership positions at IBM and later at HP. The K.G. Tan chair should reflect Dr. Tan's pioneering spirit applied to the field of AI.

Qualifications:
An earned Ph.D. in electrical engineering, computer engineering, computer science, or relevant fields, and outstanding academic credentials commensurate with appointment at the level of Full Professor with tenure. Early career candidates who are commensurate with an appointment at the level of Associate Professor with tenure but show exceptional potential may also apply.

Job Specific Qualifications:
Candidates must have a strong interest in research and teaching and should be effective at collaborating and leading initiatives with other faculty. Candidates must have demonstrated experience of building a strong externally funded research program. Demonstrated excellence for leading large research projects and building strong University collaborations with University, Government, and Industry partners is preferred. Candidates who have a demonstrated track record in mentoring women and underrepresented groups in EECS are strongly encouraged to apply.

We strongly encourage candidates' applications with a demonstrated commitment to diversity, inclusion, and excellence in both teaching and research. Syracuse University is a Carnegie R1 (highest research activity) ranked university that "aspires to be a pre-eminent and inclusive, student-focused research university."

Responsibilities:
Potential areas of expertise for the K.G. Tan Endowed Chair Professor include machine learning algorithms, natural language processing, computer vision, generative AI, with an emphasis on

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explainable AI, addressing aspects of security, privacy, ethics and fairness. Collaboratively designed AI approaches spanning the hardware and software stack and at different levels of complexity from TinyML to Large Language Models, particularly in the context of, multi-agent, decentralized learning and lifelong learning concepts. Neuromorphic systems, systems that emulate neural processes, and other biologically inspired systems to create efficient and adaptable AI systems. AI applications of interest include, but are not limited to human-robot collaboration, manufacturing and supply chain (i.e., Industry 4.0), medical imaging and diagnostics, autonomous driving and unmanned autonomous vehicles, addressing societal challenges including climate change and public health.

About Syracuse University:
Syracuse University is a private, international research university with distinctive academics, diversely unique offerings and an undeniable spirit. Located in the geographic heart of New York State, with a global footprint, and nearly 150 years of history, Syracuse University offers a quintessential college experience.

The scope of Syracuse University is a testament to its strengths: a pioneering history dating back to 1870; a choice of more than 200 majors and 100 minors offered through 13 schools and colleges; nearly 15,000 undergraduates and 5,000 graduate students; more than a quarter of a million alumni in 160 countries; and a student population from all 50 U.S. states and 123 countries. For more information, please visit www.syracuse.edu.

About the Syracuse area:
Syracuse is a medium-sized city situated in the geographic center of New York State approximately 250 miles northwest of New York City. The metro-area population totals approximately 500,000. The area offers a low cost of living and provides many social, cultural, and recreational options, including parks, museums, festivals, professional regional theater, and premier shopping venues. Syracuse and Central New York present a wide range of seasonal recreation and attractions ranging from water skiing and snow skiing, hiking in the Adirondacks, touring the historic sites, visiting wineries along the Finger Lakes, and biking on trails along the Erie Canal.

To apply, visit https://www.sujobopps.com/postings/106813

Syracuse University is an equal-opportunity, affirmative-action institution. The University prohibits discrimination and harassment based on race, color, creed, religion, sex, gender, national origin, citizenship, ethnicity, marital status, age, disability, sexual orientation, gender identity and gender expression, veteran status, or any other status protected by applicable law to the extent prohibited by law. This nondiscrimination policy covers admissions, employment, and access to and treatment in University programs, services, and activities.

Syracuse University has a long history of engaging veterans and the military-connected community

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through its educational programs, community outreach, and employment programs. After World War II, Syracuse University welcomed more than 10,000 returning veterans to our campus, and those veterans literally transformed Syracuse University into the national research institution it is today. The University's contemporary commitment to veterans builds on this historical legacy, and extends to both class-leading initiatives focused on making an SU degree accessible and affordable to the post-9/11 generation of veterans, and also programs designed to position Syracuse University as the employer of choice for military veterans, members of the Guard and Reserve, and military family members.

Syracuse University maintains an inclusive learning environment in which students, faculty, administrators, staff, curriculum, social activities, governance, and all other aspects of campus life reflect a diverse, multi-cultural, and international worldview. The University community recognizes and values the many similarities and differences among individuals and groups. At Syracuse, we are committed to preparing students to understand, live among, appreciate, and work in an inherently diverse country and world made up of people with different ethnic and racial backgrounds, military backgrounds, religious beliefs, socio-economic status, cultural traditions, abilities, sexual orientations and gender identities. To do so, we commit ourselves to promoting a community that celebrates and models the principles of diversity and inclusivity.

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Contact Information

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

Contact

Electrical Engineering and Computer Science
Syracuse University
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