Tenure Track Faculty - Computer Science, Electrical and Computer Engineering
University of Illinois Chicago

Job Title Tenure Track Faculty - Computer Science, Electrical and Computer Engineering

Department Computer Science, Electrical and Computer Engineering

Institution University of Illinois Chicago
Chicago, Illinois

Date Posted Dec. 24, 2025

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Faculty Associate
Assistant Professor

Academic Field(s) Computer Engineering
Computer Science
Electrical and/or Electronics

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Job Description

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Requisition ID: 1038642

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Posting Close Date: January 15, 2026

Position Summary:

The Computer Science (CS) Department in conjunction with the Electrical and Computer Engineering Department (ECE) of UIC are looking for at least one tenure-track faculty position in all areas of quantum computing, including but not limited to:

- Quantum computing theory, including quantum complexity theory and quantum information theory
- Quantum algorithmic design and analysis, and their applications to other areas such as in AI, NLP or LLM, integration of domain-specific approaches and emerging workloads with quantum computers
- Quantum information processing (e.g., quantum noise and error correction, quantum data compression, quantum cryptography, and quantum compilation)
- Quantum networking for distributed quantum computing
- Quantum sensing and metrology
- Quantum computer architectures (hybrid quantum-classical computing systems, secure and scalable design of quantum computing platforms)
- Fault tolerance and error mitigation for quantum (resource-efficient fault-tolerant architectures, fault-tolerant quantum algorithms, security protocols for reliable and resilient quantum computation)
- Quantum software and programming languages (software tools for quantum circuit optimization, simulation, and verification; high-level languages and compilers for quantum computing)

Candidates whose expertise supplement algorithmic and computational aspects of research with experimental quantum platforms and hardware are also highly encouraged to apply. The hire would also have immediate collaborative opportunities with faculties in other departments such as Physics and Mathematics. In addition, UIC's The Nanotechnology Core Facility (NCF) provides state-of-the-art infrastructure for fabrication of quantum and microelectronic devices. A successful candidate will be expected to teach CS courses at the graduate and undergraduate levels, develop new courses and curricular materials for quantum computing, mentor graduate students, and maintain an active research program.

Applications must be submitted online **uic.csod.com/ux/ats/careersite/1/home/requisition/18648?c=uic**, and must include a one-page cover letter, curriculum vitae, teaching, research, and diversity statements, and names and email addresses of at least three references. Links to professional websites such as Google Scholar or

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Research Gate are recommended. Applicants may contact the faculty search committee at cs-tt-search@uic.edu for more information. **For fullest consideration, applications must be submitted by January 15, 2026.** Applications will be accepted until the positions are filled.

Both the CS and ECE departments of UIC have faculty members who are actively involved in cutting-edge research and successful interdisciplinary programs, and are committed to building a diverse faculty preeminent in their missions of research, teaching, and service to the community.

The Department of Computer Science at UIC has 62 tenure-system faculty (including 3 ACM fellows; and 12 NSF CAREER awardees), three research faculty, and 24 clinical/teaching faculty.

The Department of Electrical and Computer Engineering at UIC has 36 tenure-system faculty (including 6 IEEE fellows; 17 NSF CAREER awardees; and 1 distinguished professor and 1 named professor), and 6 teaching faculty, and 9 emeritus faculty. The department is home to over 1075 undergraduate students and over 200 graduate students. The department annual extramural research expenditure exceeds $6.5 million.

The Department of Computer Science is now housed in the newly completed Computer Design, Research, and Learning Center (CDRLC), which opened in 2025 at 850 W. Taylor Street. The 135,000-square-foot facility brings together all departmental offices, classrooms, and laboratories under one roof. It includes approximately 80 faculty offices, 16,000 square feet of classroom space, 23 shared student offices, numerous collaborative learning and research areas, and a geothermal field that supports sustainable heating and cooling.

UIC, located a mere mile from downtown Chicago, is embedded within Chicagoland’s outstanding and rapidly expanding quantum innovation ecosystem. This position is part of a broader strategy connecting UIC to regional and national research initiatives, including the Illinois Quantum and Microelectronics Park (IQMP) and the upcoming IBM Discovery Accelerator Center in Chicago. UIC maintains strong partnerships with the two national laboratories in the area, through the FermiForward initiative and the Crabtree Institute, which strengthen collaborations with Fermi National Accelerator Laboratory and Argonne National Laboratory, respectively. A successful candidate will have ample opportunities to engage actively with these partners and help shape new collaborative research efforts, positioning UIC as a key contributor to Chicago’s emergence as a national center for quantum science and technology.

Duties & Responsibilities

Teach
Conduct Research

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Mentor Students
Perform other related duties and participate in special projects as assigned.

Qualifications

Minimum Qualifications

PhD in computer science, electrical and computer engineering, or a closely related field, and the potential for excellence in teaching and research.

About the University of Illinois Chicago

UIC is among the nation's preeminent urban public research universities, a Carnegie RU/VH research institution, and the largest university in Chicago. UIC serves over 34,000 students, comprising one of the most diverse student bodies in the nation and is designated as a Minority Serving Institution (MSI), an Asian American and Native American Pacific Islander Serving Institution (AANAPSI) and a Hispanic Serving Institution (HSI). Through its 16 colleges, UIC produces nationally and internationally recognized multidisciplinary academic programs in concert with civic, corporate and community partners worldwide, including a full complement of health sciences colleges. By emphasizing cutting-edge and transformational research along with a commitment to the success of all students, UIC embodies the dynamic, vibrant and engaged urban university. Recent Best Colleges rankings published by U.S. News & World Report, found UIC climbed up in its rankings among top public schools in the nation and among all national universities. UIC has over 300,000 alumni, and is one of the largest employers in the city of Chicago.

This position is intended to be eligible for benefits. This includes Health, Dental, Vision, Life Insurance, a Retirement Plan, Paid Time Off, and Tuition waivers for employees and dependents.

Salary Range

The previously determined salary range for this position was $115,000 - $285,000. The pay offered to the selected candidate will be determined based on factors including (but not limited to) the experience and qualifications of the selected candidate including equivalent years in rank, training, and field or discipline; internal equity; and external market pay for comparable jobs.

The University of Illinois System is an equal opportunity employer, including but not limited to disability and/or veteran status, and complies with all applicable state and federal employment mandates. Please visit Required Employment Notices and Posters to view our non discrimination statement and find additional information about required background checks, sexual harassment/misconduct

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disclosures, and employment eligibility review through E-Verify.

The university provides accommodations to applicants and employees. Request an Accommodation.

Artificial Intelligence (AI) tools may be used in some portions of the candidate review process for this position, however, all employment decisions will be made by a person.

Contact Information

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

Contact

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