Assistant/Associate/Full Professor, Computer Science Theory
University at Buffalo

Job Title	Assistant/Associate/Full Professor, Computer Science Theory
Department	
Institution	University at Buffalo Buffalo, New York
Date Posted	Feb. 21, 2025
Application Deadline	02/19/2026
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Computer Engineering Computer Science
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Position Information

Position Title: Assistant/Associate/Full Professor, Computer Science Theory
Department:

Assistant/Associate/Full Professor, Computer Science
Theory
University at Buffalo

Computer Science and Engineering
Posting Link: https://www.ubjobs.buffalo.edu/postings/55900

Posting Detail Information

Position Summary

The **Department of Computer Science and Engineering** (CSE) at the University at Buffalo (UB) invites candidates to apply for multiple positions as **Assistant Professor, Associate Professor, or Full Professor.** We are looking for candidates who can operate effectively in a team environment and in a diverse community of students and faculty and share our vision of helping all constituents reach their full potential.

The successful candidates will be expected to teach courses at the graduate and undergraduate levels, mentor graduate students, advise students at all levels, and maintain an active research program. The successful Associate Professor or Full Professor candidates should also have a record of scholarly accomplishments, teaching experience, and a sustained externally funded research program. All areas of research expertise that complement the existing research strengths in the department will be considered. Preference will be given to candidates in the following area:

Theoretical Computer Science (broadly defined): we encourage applicants in both algorithms and complexity theory, including in both well-established settings (e.g., sequential computation on a single machine and distributed/parallel computation on multiple machines) as well as emerging settings (e.g., high-performance computing on AI hardware).

Please note that the department is advertising multiple positions, so candidates covering multiple areas will be encouraged to identify such strengths in their applications.

About the Department
The Department of Computer Science and Engineering (CSE) at the University at Buffalo (UB) invites candidates to apply for the position of Associate Professor or Full Professor to be known as Professor of Empire Innovation. Selected candidates will receive support through the SUNY Empire Innovation Program (EIP), which recognizes high-caliber faculty with a proven track record of externally funded research.

We invite prominent leaders in the foundational areas of Trustworthy Artificial Intelligence and Robotic Systems, including computer vision (including video analysis and 3D reconstruction), machine learning (including big data analytics and adversarial machine learning), natural language processing (audio-

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visual multimodal understanding), autonomous systems (such as driverless cars), human-robot collaboration (focusing on attack modeling, privacy preservation, and safety guarantees), knowledge representation and reasoning, and cognitive science (computational linguistics, philosophy, and computer modeling of neural networks and brains).

The successful candidate will be expected to teach courses at the graduate and undergraduate levels, mentor graduate students, advise students at all levels, and maintain an active research program. We are particularly looking for candidates who can operate and lead effectively in a diverse community of students and faculty and share our vision of helping all constituents reach their full potential.

The Department of Computer Science and Engineering (CSE) offers BS degrees in computer science (accredited by the Computing Accreditation Commission of ABET, and in computer engineering (accredited by the Engineering Accreditation Commission of ABET, a combined 5-year BS- MS program, a minor in computer science, a Certificate in Data-Intensive Computing, and several joint programs (BS in Computer Science/MBA, BS in Computational Physics, BA in Social Sciences Interdisciplinary - Cognitive Science Concentration, BS in Bioinformatics and Computational Biology - CSE concentration), a minor in cybersecurity, and an advanced graduate certificate in cybersecurity as well as MS and PhD programs in Computer Science & Engineering.

The department currently has over 50 tenure-track faculty, 18 teaching faculty, approximately 2,200 undergraduate majors, 1200 masters and 160 PhD students. Over thirty junior faculty members have been hired since 2010, and we continue expanding. Two members of our faculty currently hold key university leadership positions, and nine members of our faculty are IEEE and/or ACM Fellows. The department is well known for offering an excellent collaborative and nurturing environment for faculty. Recently, a cohort of ve junior faculty received the CAREER awards in 2019, setting a national record.

Our faculty members are actively involved in cutting-edge research and successful interdisciplinary programs and centers devoted to biometrics; bioinformatics; biomedical computing; computational and data science and engineering; computer vision and multimedia systems; database systems; document analysis and recognition; programming languages; high-performance computing; cybersecurity; embedded, networked and distributed systems; machine learning and artificial intelligence; connected and autonomous vehicles and sustainable transportation; and theory of computation. Our faculty has excellent publication records over the years. Since 2015, the department has moved up its rank to be among the top 40 on csrankings.org and is among the top 25 in two recent years (2017 and 2019). During the same period, our research expenditure has grown from $4.5 million (for AY 2015-2016) to close to $10.5 million (AY 2023-2024).

The University at Buffalo (UB) is a flagship of the State University of New York (SUNY) system, a

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member of the prestigious American Association of Universities, is the largest and most comprehensive university in the SUNY system, with about 21,000 undergraduates 11,000 graduate students, and 2500 full-time faculty. The School of Engineering and Applied Sciences has about 8,000 students across 9 academic departments. UB was recently announced as the recipient of $400M in funding for EmpireAI and continues to lead in many areas of AI, and this position is intended for a national leader in AI. The prestigious NSF National AI Institute for Exceptional Education continues to innovate in the application of AI to address important problems across disciplines. Backed by numerous centers across information integrity, autonomy, robotics, biometrics, and cybersecurity, for example, CSE faculty have a long history of interdisciplinary collaboration and a reputation as a leading department at UB.

Buffalo is a city with a rapidly growing economy, eclectic neighborhoods, world-class art galleries and museums, a vibrant theater and music community, the Lake Erie waterfront, a city-wide system of parks designed by renowned landscape architect Frederick Law Olmsted, and major and minor league sports teams. The awe-inspiring Niagara Falls is just 20 minutes away. The department is located on the UB North Campus in suburban Amherst, an area that combines outstanding public schools and services with a surprisingly low cost of living.

Learn more:

- Our **benefits**, where we prioritize your well-being and success to enhance every aspect of your life.
- Being a part of the **University at Buffalo community.**

University at Buffalo is an affirmative action/equal opportunity employer and, in keeping with our commitment, welcomes all to apply including veterans and individuals with disabilities.

Minimum Qualifications

- PhD in computer science, computer engineering, or related field.
- Degree must be conferred or all requirements for conferral satisfied by the time of appointment.

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Preferred Qualifications

Physical Demands

Salary Range
Competitive

Job Type
Full-Time

Special Instructions Summary

We ask that you include information (in a separate statement or included in other statements) discussing efforts you have taken to contribute to a more accessible and inclusive learning and working environment. This information should describe the ways you foster engagement among students and colleagues in your teaching, research, and service spaces. Consider including:

- Experiences you have had working across different student and colleague groups
- Teaching activities that highlight an expansive pedagogy
- Key definitions or philosophical frameworks that inform your approach.

Also, explain ways you imagine integrating these approaches into your research, teaching, and engagement work at UB.

Is a background check required for this posting?
No

Contact Information

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Posting Dates

Posted: 02/19/2025
Deadline for Applicants: Open Until Filled
Date to be filled:

Contact Information

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

Contact

N/A
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