

FACULTY POSITIONS AVAILABLE

The Faculty of Computing & Data Sciences invites applications for one tenured Associate Professor position and two tenure-track Assistant Professor positions. Qualifications required of all applicants include a PhD in any of the disciplines that span computing and data sciences; a strong record of research; a demonstrated capacity for interdisciplinary collaboration; and a commitment to innovation in teaching at the undergraduate and graduate levels.

Founded in 2019, the Faculty of Computing & Data Sciences is a university-wide, degree-granting academic unit comprising scholars and researchers in core and applied areas of computing, computational, and data-driven inquiry. The Faculty will be housed in an iconic 19-story building with a convention-bending design inside and out at the heart of the BU Campus. Additional information about the Faculty is available at <https://www.bu.edu/cds>.

Boston University expects excellence in teaching and in research and is committed to building a culturally, racially, and ethnically diverse scholarly community, which is essential to its mission as expressed at <https://www.bu.edu/info/about/diversity>. BU is an AAU institution with a rich tradition of inclusion and social justice. We are proud of our record, including being the first American university to award a PhD to a woman and the university from which Martin Luther King Jr. received his PhD. We are dedicated to increasing participation of all talented students, especially women and other underrepresented groups in Computing and Data Sciences.

All candidates pursuing research at the nexus of computing and data sciences will be considered, but special attention will be given to candidates from underrepresented groups. Candidates working in the following broad areas of research should apply:

- (1) Fundamental and applied research examining issues related to the ***design and analysis of algorithmic, computational, and data-driven/AI decision systems within the context of legal, societal, and public policy frameworks***, including the consideration of verifiability, transparency, privacy, security, and trust of computing and data systems as they relate to concepts of autonomy, consent, governance, liability, equity, fairness, and ethics.
- (2) Basic research focused on the design and implementation of ***data mining, machine learning, and AI systems, which are inspired by concepts from, or address unique challenges arising in specific application domains***, ranging from the natural, physical, biomedical, and social sciences to public health, education, business intelligence, emerging media communications, computational humanities, human-computer interactions, and digital arts.
- (3) Theoretical, empirical, and applied ***research at the interface of social sciences, economics, and computation***, including algorithmic mechanism design, computational social choice, bounded rationality and regret minimization, explainable machine learning, behavioral modeling for autonomous and multi-agent systems, data markets, pricing and fair division of shared resources, reputation systems, online and multisided marketplace platforms, and human-centered AI.

We are accepting applications for a tenured position in the first area identified above and tenure-track positions in the second two areas. Consideration and review of applications will start on December 1, 2020, and will continue on a rolling basis until April 30, 2021.

Qualified faculty candidates are invited to submit their applications through the web portal at <https://academicjobsonline.org/ajo/jobs/17169>.

BU is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.