Assistant Professor
Department of Computer and Information Sciences and Engineering
Herbert Wertheim College of Engineering
University of Florida

The Herbert Wertheim College of Engineering (HWCOE) at the University of Florida (UF) invites applications for a full-time, nine-month tenure track faculty position at the rank of Assistant Professor in the Department of Computer & Information Sciences & Engineering (CISE), or the Department of Electrical and Computer Engineering, or the Engineering School for Sustainable Infrastructure and the Environment (ESSIE). Candidates are sought whose research area is the development of Artificial Intelligence (AI) methods for graphs and graph-based data and who are interested in collaborative, interdisciplinary research with the Center for Coastal Solutions (CCS), housed within the HWCOE. The CCS (https://ccs.eng.ufl.edu/) is advancing monitoring platforms and Earth Systems models to better predict the risks and impacts of coastal hazards, including but not limited to flooding, sea level rise, harmful algae blooms, invasive species, and pathogen outbreaks. Research on graphs for representing abstract manifolds and geo-spatiotemporal sensor webs of heterogeneous agents, such as citizen scientists, autonomous sea-borne sensors, socio-economic and public health databases, and satellite imagery would complement the mission of the CCS. Applicants working in this space would find a wealth of opportunity in this position.

The successful candidate is expected to have a doctoral degree in computer and information science and engineering or a related field at the time of hiring. In addition, the candidate should have a record of successful proposal writing, mentoring, and classroom teaching of undergraduate and graduate students.

The University of Florida is the flagship campus of the State of Florida university system and is ranked as the #6 best public US university according to US News and World Report. UF recently announced a $70 million artificial intelligence partnership with NVIDIA to create an AI-centric data center that houses the world's fastest AI supercomputer in higher education. Of particular relevance to this new faculty position, the HWCOE is in the process of creating the programmatic backbone to UF's efforts to change the future of education and workforce development through university-wide AI training and experiential learning efforts. The Department of CISE in the HWCOE is a vibrant, multidisciplinary highly collaborative environment, consistently ranked among the top departments for both graduate and undergraduate programs. It offers BA, BS, MS, and PhD degrees in Computer Science and Computer Engineering, with an enrollment of 2,440 undergraduate students and 668 graduate students of which 148 are PhD students. The CISE department currently has 55 faculty. Collectively, the list of achievements and awards received by the faculty include one Fulbright Scholar; 19 NSF CAREER Award winners; eight IEEE Fellows; three ACM Fellows; three AAAS Fellows; one IEEE Computer Society Taylor L. Booth Education Award; one IEEE Computer Society W. Wallace-McDowell Award; and one ACM Karl Karlstrom Outstanding Educator Award. The Department's external research expenditures were over $8.8 million last year, an increase of over 60% over the past five years. Research is central to the success of the program; and new faculty will be expected to initiate and sustain strong sponsored research and graduate training programs.

The University of Florida Center for Coastal Solutions seeks to leverage innovative technologies, applied Artificial Intelligence, workforce training programs, and multi-sector collaboration to enable local communities, the state, and the nation to better track, forecast, mitigate and prevent coastal hazards, improving the quality of life and economic health of coastal residents (see more at: http://ccs.eng.ufl.edu). In pursuit of this mission, the CCS, established in October 2020 and led by faculty in the HWCOE, is integrating expertise, resources, and workforce training capabilities drawn from across the University of Florida, ranging from the Warrington School of Business to Levin College of Law, College of Design, Construction and Planning, UF|IFAS, and the College of Medicine. The Center is applying an open-source model to developing solutions to the most pressing environmental, economic and public health hazards facing coastal communities, forming extensive and rich partnerships with the public and private sector to drive innovation.

The search committee will begin reviewing applications immediately, with the first full committee screening occurring on January 25th, 2021, and will continue to receive applications until the position is filled. All applications must be submitted through Interfolio at: https://facultyjobs.hr.ufl.edu/. (Please see Job Requisition #TBD). Complete applications must include the following files in PDF format: (1) cover letter (summary, introduction related to hiring emphasis areas, and any synergies with UF ECE, CISE, or ESSIE departments, and the Center for Coastal Solutions); (2) a curriculum vitae; (3) a statement describing the applicant's experience in enhancing diversity, equity and inclusion through research, teaching, or service, and vision for promoting a more inclusive experience at the University of Florida; (4) a research program vision statement detailing short- and long-term goals; (5) a teaching statement describing the applicant's teaching experience and vision for developing a teaching program at the University of Florida; (6) up to three refereed journal or conference articles (co-)authored by the applicant; and (7) the names, addresses, phone numbers, and email addresses of no less than three and up to five references. To be competitive, candidates for this faculty position should submit a cover letter, research statement,

and education vision statement that complement the overall mission of the Center for Coastal Solutions. The cover letter should be addressed to: Dr. Christine Angelini, Search Committee Chair, Director of the Center for Coastal Solutions.

The final candidate will be required to provide an official transcript to the hiring department upon hire. Selected candidate will be required to provide an official transcript to the hiring department upon hire. A transcript will not be considered "official" if a designation of "Issued to Student" is visible. Degrees earned from an educational institution outside of the United States are required to be evaluated by a professional credentialing service provider approved by National Association of Credential Evaluation Services (NACES).

The anticipated start for the position is Fall 2021 with some flexibility for a later start based on individual needs.

If an accommodation due to a disability is needed to apply for this position, please call 352-392-2477 or the Florida Relay System at 800-955-8771 (TDD). Hiring is contingent upon eligibility to work in the US. Background searches are conducted in accordance with Florida's Sunshine Law.

The University of Florida is committed to nondiscrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, gender identity and expression, marital status, national origin, political opinions or affiliations, genetic information, and veteran status in all aspects of employment including recruitment, hiring, promotions, transfers, discipline, terminations, wage and salary administration, benefits, and training.