Opening for Postdoctoral Research Scholar

Essential Job Duties:

The Department of Computer Science at North Carolina State University invites applications for a Postdoctoral Research Scholar. The researcher will focus on obtaining results in theoretical computer science and graph theory relevant to the initiatives engaged by Dr. Blair D. Sullivan's group (Theory in Practice), currently funded by DARPA and the Moore Foundation. This may include (but is not limited to) fixed-parameter algorithms, approximation schemes, and results in structural graph theory (e.g. graph width parameters). The scholar will help identify and tackle key challenges in improving the practicality of structural graph approaches and fixed parameter algorithms for network data analysis. This is an excellent opportunity for a dynamic junior researcher who is interested in engaging in algorithms research with an interdisciplinary focus. More information available at http://www.csc.ncsu.edu/faculty/bdsullivan.

The employee responsibilities will include the development of novel algorithms and theoretical results in support of data-driven discovery under the supervision of Dr. Sullivan, mentoring of graduate and undergraduate students working with the Theory in Practice research group, and writing joint grant proposals with the PI. With mutual consent, the position may also include light teaching responsibilities in theory-related courses in the computer science department in order to establish teaching experience for future jobs. The starting date is negotiable.

Departmental Required Skills:

A PhD in computer science, mathematics, or related field is required. Demonstrated expertise in theoretical computer science. Experience in at least one programming language (e.g. C/C++, Python). Excellent writing and communication skills. Women and members of under-represented minority groups are particularly encouraged to apply.

Other Work/Responsibilities:

The postdoctoral research scholar will engage in research related to current projects of the Theory in Practice group, and disseminate the products of his/her research in a scholarly manner, to include peer-reviewed publications and presentations at scientific meetings. He/she will participate fully in Dr. Sullivan's research group and assist in mentoring graduate and undergraduate students. The scholar will also be expected to assist in organizing seminars and activities related to the general research of the Theory in Practice group. He/she will be expected to form collaborations with researchers at other institutions as necessary to support active projects.

Inquiries should be directed to Dr. Sullivan (blair_sullivan@ncsu.edu).
Official applications must be submitted via jobs.ncsu.edu (position 00101876).
Direct link: https://jobs.ncsu.edu/postings/47182