Postdoc & Graduate Student Research Assistant Positions

Description

We are recruiting postdoctoral researchers and graduate student (both PhD and MS) research assistants (RAs) in machine learning and general data science. Specific research topics involve model and algorithm development for physics-principled machine learning, Bayesian optimization, and experimental design under uncertainty for life and materials science applications. Interested candidates please send a cover letter with research interests, curriculum vita, as well as one representative publication and a list of 3 reference contacts for postdoc applicants, to Prof. Xiaoning Qian (xqian@ece.tamu.edu) in the Department of Electrical & Computer Engineering at Texas A&M University.

Qualification

The postdoc applicants should have Ph.D. in engineering, computer science, applied mathematics, operations research, computational chemistry, computational biophysics, or other related fields, with a publication track record. Algorithm development experience in the following areas is highly preferred: optimization, machine learning, Bayesian methods, probabilistic graphical models, systems and control theory, and statistics. The candidates should have a fundamental understanding of basic machine learning and Bayesian methods as well as hands-on experience of implementing signal processing, data analysis, and statistical learning methods in real-world applications. Knowledge of probability theory and estimation theory is necessary. Familiarity with MATLAB, C (or C++), and Python programming (two of the three) is necessary. Related physics, chemistry, and biology training is a plus.

Start Date

As soon as possible.

How to Apply

Interested candidates please send a cover letter with research interests, curriculum vita, as well as one representative publication and a list of 3 reference contacts for postdoc applicants to xqian@ece.tamu.edu.