CLASSIFICATION/JOB TITLE

Graduate Assistant

DEPARTMENT

School of Computer Science and Engineering

GENERAL DESCRIPTION OF DUTIES

The CSUSB department of computer science and engineering invites applications for 1 - 2 graduate assistant positions under the supervision of Dr. Bilal Khan. The successful candidate will be involved with the development and deployment of cutting edge machine learning and computer vision technologies for large-scale datasets of the health and environmental impact assessment of Nanotechnology. The responsibilities will include: (a) developing machine learning and computer algorithms for various datasets on the toxicity, physicochemical characterization and fate and transport of engineered nanomaterials (ENMs), (b) developing and maintaining cloud-based (AWS) infrastructure for data storage and maintenance, (c) installing and configuring integrated development environments and programming interfaces on the cloud, (d) maintaining and updating website, ensuring consistency, accuracy and compliance with required standards, (e) working independently to meet priorities by ensuring production quality, and (f) ensuring the established timelines are met in timely manner.

Classification Standards for Unit 11 Employees:

http://academicpersonnel.csusb.edu/academicStudentEmployees/index.html

MINIMUM QUALIFICATIONS

- Currently enrolled as an undergraduate/graduate student at CSUSB
- Knowledge of Nanomaterials and practical experience with machine learning techniques
- Own the design and development of sustainable data-driven methodologies targeted for high impact publications
- Developed web applications and programming experience in Python, Javascript, and R (optional but useful)

Exceptions to the minimum eligibility qualifications may be granted at the sole discretion of the University.

TIMEBASE OR HOURS OF APPOINTMENT

10 - 20 hours per week

HIRING CRITERIA

The successful applicant must be currently enrolled in CSUSB and remain academically eligible. In addition, the successful applicant must demonstrate the ability to be cooperative and responsible.

APPLICATION PROCEDURES AND DEADLINE

Please submit a résumé and indicate the course(s) previously taken along with grades earned and student ID # to Dr. Bilal M. Khan in the School of Computer Science and Engineering bilal.khan@csusb.edu.

PROCEDURES FOR NOTIFICATION

Applicants awarded a position will be notified.

FOR ADDITIONAL INFORMATION, PLEASE CONTACT
Bilal M. Khan email: bilal.khan@csusb.edu