POSITION DESCRIPTION
DATA SCIENTIST

This job posting is current as of August 2021.

Job Location: DC Metro Area / Other Domestic or International Locations

Full-time; contingent upon contract

Background

Black Pearl Consulting and Research, LLC is a small management consulting firm offering practical, high-impact solutions to clients in the federal government and international organizations. We are seeking experienced, high-caliber professionals to undertake engaging short- and long-term assignments. Black Pearl offers a supportive, collegial work environment with competitive salary and benefits. Our consultants bring years of knowledge and subject matter expertise in the following areas:

- Program and Project Management and Evaluation
- Social Science Research
- International Development
- Emergency Management and Disaster Response

Applicants will be expected to share Black Pearl's mission and ethos and meet the high standards we look for in all our team members, which are described on our website at blackpearlconsult.biz/mission-and-vision.

Position Description

The Data Scientist uses data science in applied settings to develop solutions to international development challenges. Potential projects will draw on a wide range of methods (machine learning, analytics, AI, etc.) and technical skills (data processing, EDA, model-building, optimization, etc.) The Data Scientist will work on small teams, often cross-disciplinary in nature, and will be expected to lead on data science matters and take ownership for project results.

Duties and Responsibilities

The Financial Data Analyst will apply data science and machine learning to publicly available data and client datasets. Examples of duties include any of the following depending on client needs:

- Canvas existing datasets within an organization and evaluate opportunities for data science to improve organizational impact and effectiveness. Recommend improvements in data collection.
- Apply best practices in data protection and data governance within an organization, and in a partnership or collaborative venture.
- Advise in-house technical staff on ways to optimize their work.
- Serve as senior advisor or team leader on specific data science efforts, including ones that are of high visibility or time-sensitive in nature.
- Take ownership of data science efforts to see that findings and results are implemented within an organization.
- Engage with cross-sectional business units (C-suite, legal, operations) to ensure success of data science initiatives; communicate technical results to a non-technical audience.

Specific Skills and Qualifications

- Advanced degree in data science, engineering, mathematics, or related field.
- Minimum 2 years' work experience applying data science in an industry setting.
- Background in data science and ability to manage multiple complex datasets.
- Experience in statistical modeling, data mining, and building classification, regression and predictive models.
- Ability to lead data cleaning, data pre-processing tasks; database design or data architecture experience.
- Knowledge of one or more programming languages such as R or Python.
- Ability to design approaches that fit customer and end-user requirements and can think about the end-user's experience in addition to what the data is telling you
- Ability to take a structured approach to problem solving, results-driven, and approach work practically rather than theoretically.
- Ability to present findings and recommendations in a professional setting, both orally and in writing.

Desirable Qualifications

- Project management skills with experience delivering projects in a field setting.
- HUBZone residence. (Not sure if you live in a HUBZone? Check here.)
- Experience in international development.
- Experience working and living overseas, especially in developing countries and high-threat environments.

- Fluency in foreign language(s).
- Availability for domestic and international travel.

To apply send CV and cover letter to hr@blackpearlconsult.biz or go to www.blackpearlconsult.biz/careers. Please reference the position you are applying for and how you heard about it.