
CAQH Position Description

Position: Data Scientist

Department: Solutions

Reports To: Chief Data Officer

Date: October 2022

Position Summary:

Data is CAQH's most critical asset and you will change how we understand and employ it. CAQH is seeking an action-oriented Data Scientist for our Data Science team. The Data Scientist will process, analyze, deliver results based on large health care databases – from CAQH, from member plans and from third parties. The successful candidate will have strong experience employing a variety of data mining/data analysis methods, using a variety of data tools, building and implementing models, using/creating algorithms and creating/running simulations. They must have the ability to drive business results with their data-based insights. They must be comfortable working with a wide range of stakeholders and functional teams. The right candidate will have a passion for discovering solutions hidden in large data sets and working with stakeholders to improve business outcomes.

This role is full-time, exempt and reports to the Chief Data Officer.

Specific Responsibilities:

- Work with stakeholders throughout the organization to identify opportunities for leveraging company data to drive business solutions.
- Mine and analyze data from company databases to drive optimization and improvement of product development, marketing techniques and business strategies.
- Assess the effectiveness and accuracy of new data sources and data gathering techniques.
- Develop custom data models and algorithms to apply to data sets.
- Use predictive modeling to increase and optimize customer experiences, revenue generation, ad targeting and other business outcomes.
- Coordinate with different functional teams to implement models and monitor outcomes.
- Develop processes and tools to monitor and analyze model performance and data accuracy.
- Performs full-stack data analytics: pulling and cleaning data, analyzing it and communicating the results to key stakeholders
- Makes sense of complex business processes and develops experiments and models to test hypotheses
- Integrates disparate data sources for advanced ad hoc analyses and collaborates with IS to implement production-grade solutions for successful projects
- Works with IS and Data Engineers to design technical solutions that enable flexible data science research and development
- Adheres to departmental best practices for reproducible research
- Provides analytical mentorship and technical expertise to Data Science Analysts and Associates
- Creates training materials and conducts training classes to help develop data science competence across the organization
- Leverages expertise in storytelling and data visualization to lead key stakeholders through complex analyses and help them arrive at appropriate conclusions

Supervisory Responsibility:

None.

Skills:

- Strong problem-solving skills with an emphasis on product development.
- Experience using statistical computer languages (R, Python, SLQ, etc.) to manipulate data and draw insights from large data sets.
- Strong data visualization experience in common business intelligence tools (PowerBI, Tableau, R/Shiny)
- Experience working with and creating data architectures.
- Knowledge and experience in statistical and data mining techniques: GLM/Regression, Random Forest, Boosting, Trees, text mining, social network analysis, etc.
- Knowledge of a variety of machine learning techniques (clustering, decision tree learning, artificial neural networks, etc.) and their real-world advantages/drawbacks.
- Knowledge of advanced statistical techniques and concepts (regression, properties of distributions, statistical tests and proper usage, etc.) and experience with applications.
- Excellent written and verbal communication skills for coordinating across teams.
- Coding knowledge and experience with several languages: C++, Java, JavaScript, etc.
- A drive to learn and master new technologies and techniques.
- A track record of publications is a plus.

Experience:

5 or more years of experience manipulating data sets and building statistical models

Education:

Msc/MA in Computer Science, Engineering or relevant field; PhD in Data Science or another quantitative field is preferred

WHO WE ARE

Named one of the “Best Places to Work” by Modern Healthcare for five consecutive years, CAQH has helped nearly 1,000 health plans, 1.6 million providers, government entities and vendors connect, exchange information and operate more efficiently. CAQH technology-enabled solutions and its Committee on Operating Rules for Information Exchange (CORE) bring the healthcare industry together to make sharing business information more automated, predictable and consistent. CAQH Explorations researches opportunities to reduce the burden of manual processes in healthcare administration.

WHAT YOU GET

CAQH recognizes that its most important asset is its growing team of smart, creative, collaborative, forward-thinking and passionate professionals – and that a comprehensive employee benefits package is an important factor for them in choosing where to work. CAQH offers competitive compensation along with an extensive benefits package for all full-time employees, including medical, dental and vision coverage, tuition assistance and a 401k. We offer full-time remote work to all staff from any location and maintain a physical office (with many amenities) in downtown Washington, DC.

CAQH is an equal opportunity employer. It is our policy to recruit, hire, train, and promote individuals, as well as administer any and all personnel actions, without regard to race, color, religion, sex, national origin or ancestry, age, marital status, disability, protected veteran status, personal appearance, sexual orientation, gender identity or expression, familial status, family responsibilities, matriculation, political affiliation, genetic information, source of income, place of residence, or any other characteristic protected by law. CAQH will not tolerate any unlawful discrimination and any such conduct is strictly prohibited.

This position requires proof of full vaccination against COVID-19 prior to the first date of employment, subject to applicable law. If you are offered employment, this requirement must be met by your date of hire, unless a reasonable accommodation request is received and approved.

Applicants have rights under the [Family Medical Leave Act \(FMLA\)](#), [Equal Employment Opportunity \(EEO\)](#), and the [Employee Polygraph Protection Act \(EPPA\)](#). If you are interested in applying for employment with CAQH and need an accommodation to apply for a posted position, contact CAQH Human Resources at 202-517-0436.