



Job Description Example: Data Scientist

Yoh is seeking a **Data Scientist** to support our Retail Client in **Saint Louis, MO** for a direct hire opportunity. You will have the opportunity to join our client's rapidly growing Data Science Team! This role will be responsible for leading advanced analytics projects using big data and advanced data science method & technologies supporting our client's innovation and business goals.

RESPONSIBILITIES

- Perform analysis using data science techniques on structured and unstructured data sets, and develop algorithms for targeted business needs.
- Design and develop data models to predict business outcomes or future impact of decisions.
- Establish scalable, efficient, automated processes for large scale data analyses, model development, model validation, and model implementation.
- Design and construct analysis tools that extract, and analyze data and store analytical results in an appropriate format for business needs.
- Use deep learning, machine learning and analytical techniques to create scalable solutions for business problems.
- Evaluate and design experiments to monitor key metrics and identify improvement opportunities.
- Develop mathematical and statistical models to distinguish relevant content or events and recognize patterns.
- Participate in presentations and communicate results of analysis and findings.
- Collaborate with information technology or external vendors in the deployment of insights through company applications.
- Support our client's data science governance maturity, by contributing to development of analytics governance, best practices, and methodologies.
- Track general business activity and provide clear, compelling management reporting regularly.

REQUIREMENTS

- Graduate degree in Statistics, Mathematics, Computer Science, Informatics, Econometrics, Engineering, Experimental Science, or equivalent experience.
- 4+ years of experience in data science capabilities including data mining, predictive modeling, machine learning, statistical modeling, large scale data acquisition, transformation, and structured and unstructured data analysis.
- 4+ years of experience in modeling and statistical analysis of large data sets in data science roles, involving data extraction, analysis, statistical modeling, and communication.
- Knowledge of SQL and RDBMS.
- Strong domain knowledge in query languages, programming languages and statistical computing.
- Prior experience leveraging cloud computing solutions and Alteryx preferred.
- Experience with mixed integer linear programming and CPLEX is preferred.
- Past and current experience writing and speaking about complex technical concepts to broad audiences in a simplified format.
- Ability to communicate well, form strong partnerships and powerfully convey their recommendations in order to gain action on their insights.
- Highly self-motivated with a strong sense of urgency to be able to work both independently and in team settings in a fast-paced environment; capability to manage urgency timelines.

For more information, please reach out to Caitlin.Noll@Yoh.com



Resume Example: Data Scientist

EXPERIENCE

Company Name City, State Timeframe of Employment

Computer Vision Engineer - Autonomous Vehicles

- Path planning using ROS/ROS2
- Tested/simulation development using TurtleBot and Gazebo
- Model testing using CARLA/Unreal Engine
- Computer vision, using OpenCV, Matlab/Simulink
- Object detection using Mask_RCNN, Tensorflow OD API, and a modified COCO dataset
- Data labeling using VG, PixdlAnnotationTool and AWS Ground Truth
- Tested, validated and produced machine learning models using AWS SageMaker and Tensorflow
- Created ML workflows using Airflow and AWS SageMaker Pipelines

Company Name City, State Timeframe of Employment

Lead Software Engineer – Robotics

- Designed messages/nodes using Ubuntu, and ROS
- Testing/simulation using TurtleBot and Gazebo
- Software architecture with C++ and Python
- Software validation/QA unit testing
- Computer vision, using OpenCV, Matlab/Simulink
- Tested, validated and produced machine learning models using AWS Sagemaker and Tensorflow

Company City, State Timeframe of Employment

Data Scientist/Analytics Consultant

- Designed SQL, R & Python scripts to directly query and analyze internal and external data sources to package together clear, actionable findings
- Aided in the development of predictive modeling and machine learning solutions that continually improve with the collection of real-time dealer and sales results from product portfolio, using popular R/Python libraries, including TensorFlow, H2O, Scikit-Learn, Keras, GLM, and NNet
- Tested model fit using cross-validation and bootstrapping methods, hypothesis testing, and measuring error and confidence
- Developed in an Scrum environment with team members, actively using sprints to deliver solutions quickly and continuously exploring ways to improve our results
- Modeled data using pandas/R dataframes, PowerPivot, Tera data, and Power BI
- Worked closely with colleagues in Product, Operations, and Sales to structure problems and understand the impact across various departments within the company

EDUCATION

Institute Name Graduation Date
Master's in Robotics Engineering/Autonomous Vehicle Specialization

Accredited University Graduation Date
Bachelors in Electrical Engineering

Accredited University Graduation Date
Bachelors in Computer Science/ Philosophy