Jessica C.

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A Data analyst typically uses computer systems and calculation applications to figure out numbers. Able to produce data in regulated, normalized, and calibrated ways so that it can be extracted, used alone, or put in with other numbers and still keep its integrity. Facts and numbers are the starting point, but what is most important is understanding what they mean and presenting the findings in an interesting way, using graphs, charts, tables, and graphics.

Willing to relocate: Anywhere
Authorized to work in the US for any employer

Work Experience

Data Research Assistant

Boston University - Boston, MA
May 2021 to August 2021

• Hubert H. Humphrey Fellowship Program
• Created an insights report on Humphrey Fellows and the program’s performance at Boston University by gathering, cleaning, studying, interpreting, and analyzing five-year surveys on fellows' academic and professional development.

Education

Master of Science in Applied Data Analytics

Boston University - Boston, MA
September 2020 to May 2022

Master of Business Administration in Data Analytics

University of Southern Indiana - Evansville, IN
May 2019 to June 2020

Skills

- R
- Python (PySpark, Pandas, NumPy)
- SQL
- MATLAB
- Java
  Analytics: Tableau
- Power BI
- Microsoft Excel

- data mining
- big data
- Machine learning
- Google Data Analytics Professional Certificate Candidate
- Microsoft Office (Word, PowerPoint)
- Business Intelligence
- MySQL
- Data Visualization
- Business Requirements
- Data Modeling
- Data Warehouse
- AWS
- Business Analysis
- Requirements Gathering
- User Interface (UI)
- Microsoft SQL Server
- Application Development

Additional Information

PROFESSIONAL DEVELOPMENT

Modern Big Data Analysis with SQL Specialization, Cloudera Feb. 2022 - Present
• Distinguished operational from analytic databases and created database and table design to provide structures for working with data, with the investigation on the differences in volume and variety of data which affected the choice of an appropriate database system.
• Implemented the features and benefits of SQL dialects designed to work with big data systems for storage and analysis.

SQL for Data Science, UCDAVIS Feb. 2022
• Used SQL commands to filter, sort, and summarize data, and created an analysis table from multiple queries using the UNION operator.
• Manipulated strings, dates, & numeric data using functions to integrate data from different sources into fields with the correct format for analysis.
Business Analysis and Process Management, Project Work Jan. 2022
• Analyzed business processes and find solutions to existing business problems.
• Defined business processes, objectives, and how they flow within the organizational context.

PROJECTS

Credit Card Customer Prediction (Data Science, Machine Learning in Python) Dec. 2021
• Analyzed existing customer data to determine the level of risk involved for extending credit, and built a prediction model to maintain and attract customers, by creating six different classification

models (KNN, decision tree, logistic regression, random forest, etc), achieving 83.4% accuracy by using Logistic Regression and Naïve Bayes.

Citigroup Stock Analysis (Python: NumPy, Pandas, Scikit-learn) Sept. 2021 – Nov. 2021
• Predicted stock performance based on five-year trading data, created a machine learning model with training/test datasets, delivered trading strategies.

TED Talks Text Analytics (R) Aug. 2021
• Analyzed ten TED Talks through graphs, word cloud, and hierarchical clustering, collecting text file data, extracting contents, and visually displaying most frequent words based on ranks/similarities.

Database Management for Banking Industry (SQL) Nov. 2020
• Built a credit card information system that can perform different search methods and efficiently find information such as the amounts and the card number during the transaction for a particular user.