

JOANNA PECK-RASHID

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Summary

Data scientist / data analyst specializing in technical data analysis and visualization, statistical modeling, and machine learning. Recent Master of Science in data analytics graduate. Skilled in utilizing programming languages such as Python, SQL, and R. Demonstrated strong problem-solving skills and expertise in transforming raw data into actionable insights. Experienced manager with strong communication, project management, team leadership, and client service skills. Can climb a new tech stack quickly, get things done, and wear many hats.

Skills

- Programming Languages and Tools: Python, R, MATLAB, SQL, Git, GitHub, D3, Tableau, Power BI, Snowflake, Databricks, Spark, Stata, Arena, ArcGIS, R Shiny, R Markdown
- Cloud Computing and Storage: AWS, Google Cloud, BigQuery, Snowflake, Databricks, Azure
- Data Analysis and Visualization: Data Mining, Data Science, Statistical Analysis, ML Libraries and Algorithms, Data Manipulation, Data Visualization, Predictive Analytics, Simulation, A/B Testing, ETL
- Business Tools and Intelligence: Excel, CRM, Spreadsheets, Salesforce, Looker, SaaS, Project Management, Business Analytics
- Healthcare and Medical Technologies: PACS, Cone Beam CT, Volumetric Imaging, Radiology, Computer Guided Surgery, Stereolithography, Medical Devices, 3D printing, CAD, EHR, EMR, FHIR, DICOM, PPRL, HIPPA, ICD-10, CPT, UMLS
- Soft Skills: Client Management, Team Leadership, Project Management

Experience

C & M Surgical Guides Remote (San Francisco, California)
Business Data Analyst 09/2023 - 12/2023

Contract Project

- Interpreting and analyzing complex revenue data to drive business strategy
- ETL: Legacy SQL database (Delphi/NexusDB), data cleaning, statistical analysis, and geocoding (SQL, Python, R)
- Analytics: Created revenue analysis dashboard with live database connection for ongoing client use (Tableau)
- Machine Learning: Developed a location optimization model which maximizes predicted revenue and minimizes physical locations (Python)
- Insights: Delivered a location reduction model results presentation and dashboard. Model results for location restructuring will result in an 8% profit margin increase (Python, Tableau)

Georgia Institute of Technology in cooperation with Vernova Remote (Boston, Massachusetts)
Research Intern 05/2023 - 08/2023

Master's program capstone project focused on green energy technology research

- ETL: Mining and annotation of data from various academic and government institutions, complex spatial joins of rasterized remote sensing data and tabular data, resulting in an internally published data set for use by other research teams (Python, Google Cloud)
- Machine Learning: Used various cluster analysis techniques to explore the relationship between CO₂ emissions and other variables (DBSCAN, K-Means, ensemble methods)
- Application: Delivered results by creating an application (Python, Java, HTML, Plotly, Dash, and Streamlit)

C-Dental X-Ray, Inc. San Francisco, California
Clinical Technical Support Manager 2013-2020

Outpatient maxillofacial radiology laboratory

- Managed day-to-day operations and HR for 40 employees, 14 locations, 10 direct reports
- Supported approximately 300 referring physicians with data integration and literacy of volumetric imaging (CBCT) and digital radiographs
- Client management and technical training of physicians performing virtual surgery planning resulting in 3D printed surgical guides
- Annotating anatomical structures on CBCT scans
- Designing data pipelines and procedures

Education

Georgia Institute of Technology
Master of Science of Data Analytics 2023

- Interdisciplinary data science and analytics program with coursework in the Colleges of Computing, Business, and Engineering
- Coursework included advanced mathematics, statistics, object oriented programming, predictive modeling, machine learning, data mining, business analytics

San Jose State University
Bachelor of Science of Economics

- Emphasis in Econometrics, graduated with Economics Departmental Honors
- Minor in Applied Computing for Social Sciences
- Extensive course work in the life sciences (microbiology, human biology, human anatomy, organic chemistry, nutrition, biochemistry)

Certification

AI in Healthcare, Stanford University, 2024
SQL Intermediate, Python Basic, HackerRank, 2024
Machine Learning for Data Science, SJSU Graduate School of Business, 2021
Spatial Data Science, ESRI, 2020