

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, Java, HTML, MATLAB, SQL, Git, GitHub, D3, Plotly, Tableau, Power BI, Snowflake, Databricks, Spark, Stata, Arena, ArcGIS, R Shiny, Dash, Streamlit
- 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

Healthcare Data Science Consulting

Remote (San Francisco, California)

Data Scientist

09/2023 - present

- Interpreting and analyzing complex revenue data to inform business strategy
- ETL: data engineering, legacy database migration, data cleaning, statistical analysis, geocoding
- Analytics: dashboards, forecasting, business intelligence
- Machine Learning: geographic location optimization modeling, queuing process modeling

Georgia Institute of Technology in cooperation with GE Vernova

Remote (Boston, Massachusetts)

Research Intern

05/2023 - 08/2023

- 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
- Machine Learning: Used various cluster analysis techniques to explore the relationship between CO₂ emissions
- Application: Delivered results by creating an application

C-Dental X-Ray, Inc.

San Francisco, California

Clinical Technical Support Manager

2013-2020

- Clinical and support staff team leadership
- Anatomical data CT data annotation
- Data pipeline design
- Partnership project management with software start-ups, medical device manufacturers, and research universities
- Client management of 200+ physician, private practice and university clients
- Virtual surgical planning platform and 3D-printed surgical guide training and support for physicians
- Clinical case management of 20-50 virtually planned/guided oral surgeries per month

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

Machine Learning for Data Science, SJSU Graduate School of Business, 2021

Spatial Data Science, ESRI, 2020