

REID CASE

Data Scientist

Glendale, CA 91201 (open to remote and hybrid)

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Data-driven Analytics Manager with over 10 years of experience specializing in machine learning solutions and leading technical teams in the retail banking domain. Proficient in Python, SQL, and AWS with a proven track record of leveraging data to drive strategic decision-making. Actively seeking a challenging Data Scientist role to utilize my analytical skills and leadership experience.

SKILLS

- **Programming Languages:** Python, SQL, JavaScript
- **Databases:** Microsoft SQL Server, AWS Athena
- **Data Science Tools & Frameworks:** scikit-learn, matplotlib, Plotly, Flask, React
- **Cloud & DevOps:** AWS Glue, SageMaker, S3
- **Other Technical Skills:** Power BI, Git, VS Code, Anaconda, Jupyter
- **Soft Skills:** Agile Project Management, Business Analysis

WORK EXPERIENCE

Business Insights Manager

SkyOne Federal Credit Union

Hawthorne, CA

August 2021 – Present

(SQL, Python, scikit-learn, SQLAlchemy, matplotlib, Jupyter Notebooks, Microsoft Visual Studio Code, Power BI, AWS S3, Athena, Glue, and SageMaker)

- Conducted regression analyses using Python and SQL to respond to economic pressures, informing strategic decisions that led to 21% increase in funds on deposit.
- Developed machine learning solutions using Python libraries (scikit-learn, Pandas) on AWS SageMaker to tackle rising default rates in post-COVID economic climate, leading to 12% decrease in bad debt write-offs.
- Led 2 internship cohorts in enhancing analytics capabilities using Python, SQL, and Power BI within an Agile Scrum framework, resulting in 50% increase in project efficiency.
- Developed roadmaps for implementing data analysis and machine learning development processes, conducted stakeholder interviews leading to increased project acceptance rate.
- Completed vendor assessments reducing costs by 80%, and communicated cloud-based system architecture plans enhancing data equity, availability, and accuracy.
- Applied BIRCH hierarchical clustering using Python and scikit-learn for product development and optimizing customer conversion channels, resulting in 10% increase in approval rates.
- Developed and deployed logistic regression models using Python for marketing campaigns, overcoming data quality issues to reduce contact fatigue and increase response rates from <1% to 10%.

Core Systems Programmer Analyst

SkyOne Federal Credit Union

Hawthorne, CA

April 2018 – August 2021

(Microsoft SQL Server, Express, AngularJS, Node.js, and Plotly)

- Implemented and configured a data warehouse solution improving historic data availability and reporting accuracy, enabling quicker financial statement production and paving way for future data science initiatives.
- Designed metadata models adhering to CCPA regulations, enhancing data privacy and security for 60k customers.
- Developed data visualization dashboards using QuickTap Survey's REST API and JavaScript, presenting key financial metrics that guided strategic decisions, contributing to a growth in assets to \$1 billion and an increase to 60k customers.

IT Support Programmer

RiverLand Federal Credit Union

New Orleans, LA

March 2012 – July 2017

(Microsoft SQL Server, Microsoft Report Builder, JavaScript, and Jack Henry & Associates PowerOn)

- Implemented an upgrade to the data infrastructure, enhancing analytics capabilities and overcoming data inconsistency issues, leading to \$43 million in asset growth over 5 years.
- Designed and implemented data pipelines using Jack Henry & Associates PowerOn for innovative overdraft limit management system, driving a monthly increase in fee revenue between \$30,000 to \$50,000.
- Engineered member ranking system using Jack Henry & Associates PowerOn to manage remote check deposit limits, resulting in a reduction in financial risk.

EDUCATION

Master of Science in Computer Science

Data Science and Software Engineering Concentration

DePaul University

Chicago, IL

November 2020

Bachelor of Science in Applied Computing

Web Application Development Concentration

Tulane University

New Orleans, LA

December 2010

Cum Laude

PROJECTS

Cycling Athlete Training Plan Creator

(React.js, Node.js, Pocketbase, Heroku, GitHub, Deepsource.io)

Repo: <https://github.com/reidtc82/training-app>

URL: <https://training-app-7b0629306967.herokuapp.com/>

(Repo and app access available on request)

- React.js app used to create and manage training plans for athletes competing in bicycle racing events.

Distributed Parallel Processing System

(Python)

Repo: <https://github.com/reidtc82/junkbox>

- Distributed parallel processing utilizing socket server architecture in Python. Central broker manages and delegates functions and data across a network of worker nodes and collects final output.