

Reginald Rhoe

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DATA SCIENTIST

Innovative professional transitioning from Quality Engineering to Data Science, leveraging strong analytical abilities, process optimization expertise, and software development knowledge to extract actionable insights and drive decision-making so a company can achieve its goals with AI. Strong in business finance operations and leverages data for management decisions.

Summary

Dynamic and results-oriented professional with a background in Business Consulting, data analysis, statistical modeling, and leadership for process improvement. Equipped with Python, SQL, and data visualization tools, coupled with extensive experience in software quality assurance and metrics-driven decision-making. Known for identifying inefficiencies and implementing data-driven solutions that enhance performance and reduce costs in Defense Aerospace, Healthcare Consulting, and Financial Services Industries. Specializing in analytical and problem-solving expertise to uncover trends and optimize business processes.

Areas of Expertise

General Topic

Specific

Predictive Modeling

Statistical Analysis- R, Matlab, Numpy, Pandas

Programming

Familiarity with Python, SQL, Java, R, LINUX

Data Visualization

Tableau, BI, Excel, matplotlib

Machine Learning

Algorithms Logistic Regression, KNN, CNN modeling

Process Optimization

Metrics Tracking, SAP, BI

Big Data and Cloud Platforms

Familiarity with AWS, Azure, Docker, LINUX

Collaboration

Stakeholder Engagement, Facilitator

Compliance Regulatory

Manufacturing, ISO, State, Federal, Local

Projects: Predictive modeling of passenger survivability using Logistic Regression

Classifier modeling consumer behavior of purchases using KNN CNN

Education

- Pursuing Master of Science in Computer Systems and Engineering (MSCSE) and Emerging technology in AI/ML certification
- Master of Business Administration (MBA), Northwestern University, Evanston, IL
- Bachelor of Science (BS), Computer Science, University of the People, Pasadena, CA
- Bachelor of Science (BS), Chemistry, US Naval Academy, Annapolis, MD

Raytheon Applied Signal Technology, San Jose, CA

Data Scientist tasks: Senior Quality Assurance Engineer

2017 - 2025

- Conducted data-driven analysis to monitor software and hardware quality metrics, using Python and JIRA to improve defect trends.

Full Resume available on github

- Designed and implemented statistical models to predict and prevent non-conformance issues, reducing defect rates by 35%.
- Validated software configuration management using Python in Linux environments, ensuring zero software returns.
- Built actionable dashboards to communicate insights to stakeholders, improving transparency and decision-making.
- Extracted data from SAP ERP system, RCAS eQMAS system, and built modules for EMS system SQL based Phoenix
- Successfully led and implemented three projects (MS Database, JIRA, and Keyence Software packages), resulting in significant cost savings by eliminating the need for outsourcing.

County Of Santa Clara - Valley Medical Hospital

2015-2018

Sr Management Analyst - Planning Business Development Managed Care

- Administered Contracts and collect metrics of monthly performance
- Negotiated settlements between parties to begin repayment saving millions in losses

Northrop Grumman Mission Systems, San Jose, CA

Senior Software Quality Assurance Engineer

2008 - 2015

- Extracted and analyzed large datasets using SQL, creating predictive models for quality improvement initiatives.
- Developed automated scripts for data audits, reducing manual workload by 50%.
- Led process improvement initiatives, driving efficiency and accuracy in software development life cycles.
- Developed a Monte Carlo analysis of defects vs probability of On-time Program completion

Operations Planning - Medical Devices - Baxter Healthcare Roundlake IL

- Production planning and analysis for medical device plants

Healthcare Consultant – Hospital Systems - Baxter Healthcare Deerfield IL

- Presentation of analysis to Senior Executive Leadership and Medical Doctors

Director – Skilled Nursing Facility Covenant Care - Mountain View CA

- Directed nurses and facility staff to lead entire business operation

Other Skills

- Quality & Process Improvement: Six Sigma Green Belt, JIRA

Full Resume available on github

- Soft Skills: Problem-solving, Collaboration, Communication

Navy Veteran

- Assignments: Surface Warfare Officer Qualified. Nuclear Weapons Officer. Missile Officer. Engineering Officer, Legal Officer
- Active DOD TS/SCI Clearance