DAKOTA RENNELS

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</> [Website](.) | [Github Repo](.)

PROFESSIONAL SUMMARY

Full-stack data scientist with extensive experience leading data science projects from concept to production deployment. Proficient in data acquisition, cleaning, analysis, model building, visualization, and deployment, with a focus on AI and LLM-based systems, MLOps, LLMOps, and data engineering. Over six years of expertise in Python, R, and SQL, combined with extensive experience using AWS, Azure, and Google Cloud. Skilled in data strategy, machine learning, and AI system development and deployment. Curator of an internal Python library within my current organization. Key technical resource on the Governor's AI Task Force, contributing to AI strategy and policy development for Oklahoma.

SKILLS

- Linux, Python, R, & SQL
- Hadoop, Hive, & Spark
- Deep Learning
- NLP, LLMs, & SLMs
- Kubernetes
- Azure, GCP, & AWS
- MLOps, LLMOps
- Project Management
- Data Compliance
- Problem Resolution
- Strong Analytical Skills
- Proficient Statistical Knowledge
- Adapt Data Science Mentor
- Strong Time Management
- Team Collaboration
- Strong Business Communication

EDUCATION

University of North Texas
Denton, TX • 12/2023

Master of Science: Advanced Data Analytics

- Graduated ranked 1 out of 1391
- Deep Learning & AI Concentration
- Relevant Coursework: AI Systems, Deep Learning, Data Science, & Statistical Analysis

WORK HISTORY

Data Scientist - Paycom
Oklahoma City, OK • 03/2024 - Current

- End-to-end AI/LLM application development and deployment.
- Work closely with business stakeholders and software development to provide valuable products and insights to improve business operations.
- Recognized for translating complex business problems into successful AI and data science projects.
- Extract data from enterprise systems and clean the data for analysis and modeling.
- Conduct analysis to derive insights from data.
- Develop visualizations of analytics and models for communicating findings.
- Build, test, and validate predictive models and machine learning algorithms.
- See models through the deployment stages and drive them to production.

Data Scientist - Tiger Team Lead - Oklahoma Office of Management and Enterprise Services
Oklahoma City, OK • 01/2022 – 03/2024

- Appointed as a technical resource to the Governor's AI Task Force.
- Pioneered the first-ever implementation of a Conversational GenAI chatbot in the United States public sector.
- Spearheaded AI & data-driven initiatives resulting in $2.2 million in cost savings for the state between 2022 and 2024.
- Experience with identifying and evaluating new data sources and abandoned siloes.
- Recognized for translating complex business problems into successful AI and data science projects.
- Development of A/B tests to enhance the performance of AI and data

- 4.0 GPA

University of North Texas

Denton, TX • 07/2022

Master of Science: Data Science

- Relevant Coursework: AI & Deep Learning, Data Science, & Statistical Analysis
- 4.0 GPA

University of North Texas

Denton, TX • 07/2022

Bachelor of Science: Data Analytics

- Graduated ranked 1 out of 1197
- President's Honor Roll: Spring 2022, Fall 2021
- Relevant Coursework: Computer Science, Data Science, & Statistical Analysis
- 4.0 GPA

University Of Oklahoma

Norman, OK

Bachelor of Science: Chemical Engineering

- Relevant Coursework: Engineering, Biochemistry, & Computer Science
- Alpha Sigma Phi Founding Member and Marshal
- Silver Wings President

Oklahoma City Community College

Oklahoma City, OK • 07/2016

Associate of Science: Applied Science

- Relevant Coursework: Computer Science, Economics, & Statistics

CERTIFICATIONS

- Google Encoder-Decoder Architecture
- Google Generative AI for Developers
- AWS Certified Developer
- AWS Cloud Practitioner Certification
- CAP Certified
- IBM/Darden Title Specialization
- Six Sigma: Black Belt
- 30+ Data Science and Data Analysis Certifications

science applications, utilizing quasi-experimental methods to ensure robust model optimization.

• Responsible for mentorship of junior data scientists and interns for a robust upskill and mentorship in various systems and processes.

• Collaborates closely with data analysts, database administrators, and data engineers to design end-to-end machine learning models.

• Proficient in creating impactful data visualizations to convey valuable insights.

• Constant development of random forest, SVM, and other ensemble models for time series analysis, forecasting, and anomaly detection.

Data Analyst - Sales Operations Specialist - Vail Resorts

Broomfield, CO • 10/2020 - 01/2022

- Implemented Data Science processes and models for sales-based analytics.
- Performed quality assurance and risk management analysis of internal and external sales systems.
- Enhanced communication methods from the team and other departments.
- Developed improved competitive analysis methodology and coordinated with marketing teams for new method training.
- Lead UAT testing for various e-commerce webpages and internal booking systems.
- Headed process modernization efforts through the implementation of CRISP-DM and DAMA-DMBOK II methodologies for transactional data reports.
- Identified process bottlenecks and inconsistencies to management, facilitating continuous process improvement.

Business Manager - Software Lead - Spirit Shop

Norman, OK • 10/2015 - 06/2020

- Analyzed monthly data for sales and inventory trends.
- Implemented new technology for automated inventory management.
- Monitored day-to-day operations while actively managing project execution.
- Performed daily accounting, budgeting, and transactional analytics.
- Lead teams to provide optimal customer service and lead sales-based events.