

# DAKOTA RENNELS



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Oklahoma City, OK 73170



[Website](#) | [Github Repo](#)

## PROFESSIONAL SUMMARY

Impact-oriented Data Scientist possessing over six years of robust proficiency in Python, R, and SQL programming, augmented by extensive experience leveraging AWS, Azure, and Google Cloud platforms. My expertise extends to leadership in data strategy, data science, machine learning, and the development and deployment of AI systems. I have been honored to serve as a key technical resource on the Governor's AI Task Force, contributing significantly to strategies, policies, and executive recommendations governing AI operations across Oklahoma. I currently serve as the AI subject matter expert in Data Services and oversee the successful deployment of AI applications and systems.

## SKILLS

- Linux, Python, R, & SQL
- Hadoop, Hive, & Spark
- ANN, CNN, & RNN networks
- NLP, LLMs, & SLMs
- FlaskAPI, PySpark, & Kubernetes Apps
- Azure, GCP, & AWS
- 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

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

## WORK HISTORY

### Office Of Management and Enterprise Services - Data Scientist

Oklahoma City, OK • 01/2022 - Current

- Appointed as a technical resource to the Governor's AI Task Force.
- Currently serving as the AI subject matter expert in Data Services.
- 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 in fiscal year 2023.
- 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 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 teams and professionals 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.

### Vail Resorts - Sales Operations Specialist

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

**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

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.

**Spirit Shop - Business Manager (Innovation Lead)**

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.

**CERTIFICATIONS**

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