COLE CALDERON

DATA SCIENCE | DATA ANALYST | BUSINESS ANALYST

PROFESSIONAL SUMMARY

Recent M.S. in Business Analytics graduate from the University of Texas at Dallas, with real-world experience integrating data science, machine learning, and statistical analysis into business operations. Over the past nine months, I've served as a Data Analyst, driving record-breaking revenue growth by leveraging SQL, DAX, and generative AI solutions. Drawing on a background in both data science and biological research, I excel at translating complex data into actionable insights, refining communication to influence leadership decisions, and bridging the gap between technical teams and strategic goals. My curiosity, adaptability, and results-oriented approach ensure that I consistently turn data-driven visions into tangible outcomes.

CONTACT

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Portfolio: https://colecal.github.io/cac/

WORK EXPERIENCE

Data Analyst / Data Scientist | Feb. 2024 - Current

ERISA Recovery

- Led strategic team restructuring and leveraged SQL/DAX-driven insights to identify and prioritize high-value claims, resulting in a 50% increase in monthly revenue over nine months.
- Developed and maintained 10+ automated reports and 5 interactive Power BI dashboards, reducing data retrieval time dramatically.
- Implemented LLM-driven summarization pipelines to streamline data review processes, and developed a RAG-enabled chatbot that integrated seamlessly with in-house vetting software, reducing analyst workload and improving overall efficiency.
- Identified and capitalized on a data trend that led to creating a new revenue stream and subsequently enhancing overall operational efficiency.

Research Assistant, Data Visualization/Microbiology | 2020-2021

Arizona State University, Tempe, AZ

- Effectively led a team overseeing the development of a web-scraping Python algorithm that facilitated extended research opportunities and yielded a novel approach to analyzing bacterial movement.
- Developed innovative Python scripts to effectively track and analyze bacterial movement over time, revolutionizing data analysis capabilities and becoming an indispensable tool utilized by the entire laboratory to advance their diverse research interests.
- Collaborated on a published research article wherein I honed my proficiency in diverse statistical methods while making a substantial contribution to the scientific community. (http://dx.doi.org/10.1128/spectrum.00937-23)

ACADEMIC HISTORY

Master of Science, Business Analytics| 2023

University of Texas at Dallas, Richardson, TX

- Relevant Coursework: Advanced Statistics for Data Science, Business Analytics with R, Applied Machine Learning, Data Visualization, Big Data

Bachelor of Science, Biology | 2020

St. Edward's University, Austin, TX

- Relevant Coursework: Applied Statistics, Biostatistics

TECHNICAL SKILLS

Tools/Technology: SQL, R, Python, Big Data, Hadoop, HIVE, Microsoft Ppt/Excel/Word, SAS, Power BI

Machine Learning: TensorFlow, Keras, Pandas, Scikit-learn, NumPy, matplotlib, dplyr, ggplot, tidyr, OpenCV

Generative AI Tools: Ollama, HuggingFace, Langflow, Langgraph, Langfuse, Langwatch, Milvus Vector Database

Certifications: Google Data Analytics Specialization