

# Christopher Lee Messer

Fort Worth, TX 76104

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## SKILLS

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**Programming Languages:** Python (Pandas, Scikit-learn, PySpark, NumPy), SQL, R

**Platform Tooling:** Azure, AWS, Databricks, Docker, DBT, Terraform, Jira

**Data Visualization Software:** Tableau, PowerBI

**Professional Certifications:** Texas Certified Public Accountant (CPA)

## PROFESSIONAL EXPERIENCE

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### **Deloitte Consulting, Deloitte & Touche LLP**

*September 2018 - Present*

*Senior Data Engineering Consultant, AI & Data Engineering*

- Led a team of 6 as the lead architect in the design, development, and deployment of a greenfield Azure and Databricks Data Lakehouse implementation using extensive PySpark and SQL transformations for an international spirits distiller
- Led the implementation of an open-source data governance platform to improve data documentation and quality, resulting in a 50% decrease in production bugs in the first 6 months of deployment
- Implemented automated testing and CI/CD practices into the release cycle of a \$5B consumer products company, reducing migration downtime from 24 hours to 6 hours
- Designed, developed, and implemented the financial cost allocation process using Azure Dedicated SQL Pools, Azure Data Factory, and T-SQL to enable brand-level financial reporting for an international wine and spirits distiller
- Led a cross-functional team of 5 offshore engineers and data analysts to identify and resolve a \$43M annual revenue leak at a large, online employment board tech company
- Designed and developed a Power BI model for a wine and spirits company to serve as the semantic model and entry point for non-technical analysts to access and analyze data for a \$5B international spirits distiller

*Data Science Consultant, Deloitte Digital*

- Performed recency, frequency, and customer lifetime value analyses to cluster customers into strategic marketing target groups. Measured campaign success using A/B testing, reporting a 6% month-over-month revenue increase
- Partnered with Engineering, Product, and Revenue Operations to identify customer groups most likely to raise incidents using a decision tree model, resulting in a billing system migration of 10K customers with 0 churn
- Developed and implemented a logistic regression model to analyze contributing factors to customer churn, resulting in the identification of a \$43M revenue leak
- Led a team of 6 to identify Generative AI use cases across Telecommunication, Technology, and Media industries, resulting in \$25M in sold engagement work
- Organized a panel event with 1k+ attendees on Generative AI and Natural Language Processing

*Senior Auditor, Analytics*

- Designed an outlier detection model to identify unusual transactions for audit selection, reducing audit hours by 3%
- Expanded utilization of India based team, increasing offshore utilization by 18% and creating a 24-hour work cycle.
- Gathered visualization requirements, retrieved transaction data, and designed and built Tableau visualizations to further audit risk assessment
- Retrieved and analyzed transaction data using Python and SQL
- Managed a team of 7 direct report staff auditors in the completion of a 15,000 hour PCAOB audit of a F100 Company

## EDUCATION

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### **Georgia Institute of Technology**

Master of Science, Computer Science (ML Specialization)

In Progress

### **Texas Christian University, Neeley School of Business**

Master of Accounting (*Honors*)

B.B.A., Finance (*Magna Cum Laude*)