Alexandra Scott

DATA ENGINEER/DATA SCIENTIST

Austin, TX | 512.694.4538 | alexandra.k.scott@gmail.com

Summary

Dedicated and highly skilled Data Engineer with 5 years of experience in analyzing and interpreting complex data sets to drive meaningful business insights. Proficient in data pipeline implementation, database management, ETL processes, data governance, data mining, machine learning, statistical analysis, and data visualization. Adept at translating data into actionable strategies to support decision-making.

Experience

Alexandra SleepingLLC | Event Producer & Founder　　　　　　　**Jul 2025 – Present**

- Event Producer & Storyteller. Organized and hosted storytelling events, creating immersive experiences for the audience.
- I have produced the monthly Poetry, Music, & storytelling open mic at Ani's Day & Nights since January 2025.
- I produced a variety show in collaboration with Satellite Art at their 2025 Unofficial SXSW Art Ranch.
- In collaboration with BloodBath Studios, I helped write and win two Nexus Grant Awards in 2023 and 2024. I am also now the lead Event Producer for Bloodbath Studio, and am producing a gallery exhibition at Bolm Studios. This Exhibition will include a month of community event programming that I am coordinating.

JP Morgan Chase | Associate Data Engineer II　　　　　　　**Jul 2024 – July 2025**

- Delivered & Developed dataset offering enrichment pipelines for a unified data lake solution to deploy micro services in containerized environments. Assessed inconsistencies in pipeline development and propose framework changes.
- Developed transformation logic for spark sql queries in data bricks, write Q-tests, and perform validation. Developed recon detail pipelines for data validation between the source and target zones.
- Developed a proprietary Kubernetes Kerberos security token solution to follow firm best practices of SSO authentication, and ensure secure delivery of Directed Acyclic Graph tasks using Apache Airflow.
- Debug and develop the pipeline invocation REST API call to streamline the job runs in data bricks.
- Deployed automated monitoring for pipeline health and reliability, and performed recon analysis on data inconsistencies.
- UI/UX React pagination development for a proprietary data reporting and dashboard portal
- Maintained analytics and documentation best practices within an AGILE framework while presenting insights to product owners to drive business decisions surrounding feature implementation.

Capgemini | Senior Data Engineer　　　　　　　**Sep 2021 – July 2023**

- Oversaw technical solutions delivered with analytics best practices for high-profile baking and insurance clients ranging from cloud migration to consumer data privacy compliance.

- A founding member of the Data and AI hub for employees to engage with the topics and learn from professionals across the business.
- Provided support for training and development of internal projects with the Nature Conservancy's AI-assisted mapping effort to prevent destroying more of the Mojave desert for solar panel placement.
- Data Pipeline deployment in AWS
- TigerGraph Database implementation.
- Visualization and dashboard creation in PowerBI and Tableau.
- Data Privacy, Lifecycle Management and Governance assessment and CCPA (California Consumer Privacy Act) compliance checklist, roadmap, and proof of concept.
- Python Development of internal ESG(Environment, Social, and Governance) scoring application for assessment of investment portfolios.

CaliberMind | Jr. Data Scientist   Sep 2022 - Dec 2022
- Analyzed client data for inconsistency and quality control.
- Developed in Python and ascertain the viability of the multi-touch attribution Markov chain model.
- Analyzed inconsistencies between the R implementation and the Python model.
- Collaborated with the sales team to develop features for a business-to-business marketing analytics platform.
- Executed SQL queries in Google BigQuery against and perform analysis on internal business and external client data for business use cases.

City of Austin Public Health | Senior Administrative Assistant   Aug 2021 - Sep 2021
- Reported data collection and compliance issues for Austin Public Health as a part of their mobile vaccination unit.
- Created Dashboards in Salesforce to visualize geographic correlations about vaccinated patients.
- Adjusted Salesforce workflows for patient data intake.

Infosys | Software Developer   Oct 2020 - April 2021
- Spring Boot to Angular for responsive web application design.
- Enterprise full-stack Java application development, static and responsive web page design, RESTful legacy system encapsulation.
- JUnit testing.

Coding With Kids | Computer Science Instructor   Jan 2020 - Oct 2021
- Instructor for Little Coders using the drag and drop IDE Scratch.
- Instructor for game development in Scratch and Python, Intro to Python, and web design.

Education

The University of Texas at Austin, BS Mathematics   2020
Major: Mathematics | Minor: Government

Skills & abilities

- Programming Languages: Python, R, Java, HTML5, JS, Powershell
- Frameworks/Formats/Architechture: Angular, React, CSS, NodeJS, Gatsby, Spring, JSON, Apache Airflow, REST API, STAR

- Data Analysis: Pandas, NumPy, SciPy, PySpark
- Machine Learning: Scikit-Learn, TensorFlow, Keras
- Data Visualization: Matplotlib, ggplot, Seaborn, Tableau, PowerBI
- Database Management: SQL, NoSQL (MongoDB), JQuery, Big Query, JPQL, SSMS
- Statistical Analysis: Regression, Hypothesis Testing, A/B Testing
- Big Data Technologies: Hadoop, Spark, Hive
- Data Preprocessing: Data Cleaning, Feature Engineering, Data Pipeline Design & Development
- Tools: Jupyter Notebook, Git, Jira, Asana, Confluence, Remedy, JMS, GoogleCollab, Microsoft Office, Unix Shell
- Cloud Service Providers and Cloud Based Computing: GCP, AWS, Databricks, Snowflake, Accern, TigerGraph
- Soft Skills: Problem-solving, Communication, Team Collaboration, Presentation, Empathy, Account Management & Retention

Certifications

- Data Analysis with Python | Coursera Credential ID: BXHD9BDXTVV
- Cloud Computing Basics 101 | Coursera Credential ID: DLVJK84C9TWX
- Data Analysis using PySpark | Coursera Credential ID: 9QFUSEWJY5FG
- Distributed Computing with Spark SQL | Coursera Credential ID: KA7HJFK5QJ6
- Introduction to Big Data | Coursera Credential ID: T6WEDCYG8AHM
- Astronomer Apache Airflow Certification | Credential: https://www.credly.com/badges/e3c1cc76-deeb-467a-8c9c-14d353179646/email

Leadership Experience and Activities

Oxfam (Oxford Committee for Famine Relief) Member | September 2014- Fall 2018

Oxfam Treasurer | September 2016- May 2018
- Volunteered locally at places such as the Capital Area Food Bank, the Women's Empowerment Conference | April 2017
- the UT Day of Service event (clean up crew) | Spring 2016 and Spring 2015
- Casa Marianella | Spring 2017 and Fall 2017 (assisted with clothing and food distribution)

Undergraduate Researcher in the Supramolecular Sensors Research Stream | Summer 2016
- Synthesized peptides for sensor arrays to detect wine tannins and MAP kinases (precursor to cancer detection).

Per Scholas Mentor | February 2022
- Mentor students enrolled in a tuition-free IT program, and conduct their mock interviews.
- Provided support for students and shared my own experience as a black woman in tech with them. I also provided resources for them to continue the development their skillsets.

Bloodbath Studio | July 2023 - Present
- Wrote and won two Nexus Grant awards in 2023 and 2024
- Wrote and won the Black Trans Leadership Austin Creative Leadership Grant in October 2025
- Producing the Bloodbath 2025 Gallery Exhibition showcasing 3 years of work

Austin Dyke March Board Member| October 2025- Present

- Joined the board recently and am hoping to serve my community in Volunteer, Event, & Sponsorship Coordination