

# John M. Brown

Data & Analytics Professional | ML, Analytics Engineering, Applied Modeling

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## Education

Master of Management Information Systems | Utah State University (2025) | GPA 4.0

Bachelor of Arts, History | University of Arkansas (2005) – Minor in Anthropology

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## Technical Skills

### Machine Learning & Analytics

- Supervised + Unsupervised Modeling (Regression, Classification, Clustering)
- Model Development, Validation, and Performance Evaluation (ROC-AUC, F1, MAE, RMSE, PR-AUC, NSE)
- Feature Engineering, Data Preprocessing, Missing Data Handling
- Time-Series Forecasting (LSTM, SMA)
- Python (Advanced): OOP, automation, REST API integration, data processing, ML workflows (Pandas, NumPy, Scikit-Learn, TensorFlow/Keras, Statsmodels)
- Data Mining: Classification (Naive Bayes, Decision Trees, ANN, Ensembles), Clustering, Association Rule Mining, Anomaly Detection, Text &

Sentiment Mining, Network / Graph Analysis

### Data Engineering & Cloud

- ETL / ELT Design & Automation
  - Data Warehousing & Modeling (Star Schemas, Fact/Dimension Design)
  - SQL (Advanced Querying, Optimization, Window Functions)
  - dbt, Snowflake, Fivetran, AWS (S3, Lambda, RDS, EC2)
  - REST API Development & Integration, JSON Pipelines, Scheduled Automation (cron /cloud execution)
  - Version Control & Collaboration (Git / GitHub)
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## Professional Experience

### Realtor | Dwell Realty Group, Logan, UT | Feb 2022 – Jan 2026

- Assisted clients in buying and selling residential properties - providing market analysis, negotiation expertise, and marketing strategy.

### Second Engineer, Television Production | Skycam | 2018 - 2022

- Set up transport systems for aerial camera operations at live sporting events (NFL, NBA, NCAA) to major broadcast networks (NBC, ESPN/Disney, FOX, CBS).
- Traveled and adapted systems to new locations weekly, ensuring seamless equipment deployment.

### Whitewater River Guide | Various Locales and Outfitters| 2001 - 2019

- Guided expeditions on 30 rivers across 4 countries and 13 states, leading half-day to week-long excursions primarily on the most advanced rivers (class IV and V).
- Kaweah River Operations Manager (2009-2011) – Managed logistics, equipment, customer relations, and guides for Whitewater Voyages in California.

### Various Hospitality, Service, and Guiding Industry Roles | Ski Towns, etc. | 2008 - 2016

- Several positions in ski resort operations, construction, nearly every restaurant role – constantly adapting and developing new skills to be exactly where I wanted to be doing the things I was most passionate about.