

TERAH SKILLINGS

Predictive Modeling · Complex Data Analysis · Insight-Driven Decisions · Cross-Functional Collaboration · Self-Starter

CONTACT

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COMPETENCIES

- Predictive Modeling
- Statistical Analysis
- Machine Learning (Classification, Clustering, PCA, Random Forest)
- Exploratory Data Analysis (EDA)
- Natural Language Processing (NLP)
- Hypothesis Testing and A/B Testing
- Data-Driven Insights
- Independent Research
- Cross-Functional Collaboration
- Strong Communicator
- Self-Starter Leadership & Project Ownership

TECHNICAL SKILLS

Programming

Languages: Python, R, C

Libraries/Tools: scikit-learn,

Pandas, NumPy, SQL

(Learning), ETL workflow design (familiar), RapidMiner

Visualization: Tableau,

seaborn, matplotlib

Environments: JupyterLab,

RStudio, VS Code

Databases: MongoDB (basic),

relational databases

(PostgreSQL-learning), Excel

Version Control: Git, GitHub

(basic)

SUMMARY

Data scientist currently completing a Master's Degree, with a strong foundation in machine learning, statistical analysis, and data visualization. Proven ability to clean, model, and interpret complex datasets to drive actionable insights. Hands-on experience in predictive modeling, NLP, clustering, and real-world analytics. Known for leadership, discipline, and a growth mindset shaped by high-level athletic and academic achievements.

PROFESSIONAL EXPERIENCE

Business Strategy Intern-Nashville Predators

Nashville, TN | January 2026 - Present

- Perform extensive data cleaning and standardization of event codes using SQL, ensuring high-quality datasets for fan engagement and ticket sales analysis.
- Leveraged Microsoft Dynamics to track season ticket holder attendance trends and identify key segments for revenue growth opportunities.
- Design and maintain Tableau dashboards to visualize attendance and engagement metrics, providing the strategy team with clear, actionable insights.

Data Science Intern-Probility AI

Remote, United States | May 2024 - Present

- Managed a project evaluating NHL season prediction accuracy by cleaning and merging a dataset of over 1,000 player records and 40 variables, identifying key discrepancies between forecasts and outcomes.
- Analyzed player-level outlier trends in model predictions to uncover systemic biases and suggest refinements to feature selection.
- Conducted exploratory research on USA Youth Hockey age banding using limited data; engineered custom metrics and applied PCA to detect developmental patterns across age groups.
- Audited a proprietary dataset covering 20+ years of NHL performance, injury, and contract history to ensure modeling accuracy and data integrity.
- Supported the development of statistical models for player and team evaluation, collaborating with analysts to shape use cases for forecasting and scouting applications.

PROJECT WORK

- Developed a churn classification model reaching 87% accuracy using Random Forests and utilized NLP for sentiment analysis and topic extraction on Reddit datasets.
- Applied K-means, PCA, and hypothesis testing to segment user behavior and validate data-driven trends across survey and performance metrics.

EDUCATION

Master of Science in Data Science

Regis University – Denver, CO | 2024- May 2026

Bachelor of Science in Applied Mathematics (Minor in Spanish)

Regis University – Denver, CO | Graduated May 2024

- Graduated one year early with a 4.0 GPA
- NCAA Division II Athlete: Team Captain, All-American, Academic Honor Roll