

DANIEL B. CARPENTER, MS

Bentonville, AR • dbry1024@gmail.com • Daniel-Carpenter.github.io/Portfolio/ • linkedin.com/in/dbry1024

EXPERIENCE

Senior Financial Planning & Analysis Advisor

November 2022 – Present

Office of Investment Management & Strategic Finance, the Chickasaw Nation

- Uncovered ~\$531M in annual savings over 10 years by delivering an analysis that founded an enterprise capital allocation framework, which ties future tribal funding to earnings.
- Delivered a financial model that supports indefinite funding for 25% of tribal government spending through a ~\$5B investment portfolio generating income through investment returns and dividends.
- Mitigated manual data entry risk in a ~\$3B portfolio by engineering an automated Python-based API retrieval and validation system, strengthening portfolio allocation accuracy.
- Improved portfolio return research by developing LSTM neural networks, expected to reduce error by 10-20%.
- Expanded access to financial and strategic evaluation by creating an R Shiny dashboard and Quarto website suite for the Chief Executive and CIO, centralizing reporting in one platform.
- Enhanced the inaugural tribal project evaluation framework by partnering with executives to ensure all future projects are approved on the basis of financial sustainability.

Advisor, Operational Performance and Analysis

January 2021 – November 2022

Office of Strategic Planning, the Chickasaw Nation

- Discovered \$100M in unexpected annual offerings by conducting market analysis to aid Chickasaw renters and homeowners during post-COVID-19 inflation.
- Prevented \$12M in unforeseen yearly expenses by recommending a strategy to retain security labor in a competitive market.
- Secured a decade of autonomous funding for minority-owned businesses in Oklahoma by leading allocation of \$34M in federal loan recycling funds.
- Achieved 95% forecasting accuracy by deploying an R-based revenue model, regularly presented to the CEO.

Intern, Operational Performance and Analysis

June 2018 – December 2020

- Reduced inventory cost of goods sold (COGS) for a precision manufacturer by 42% through strategic consultation.
- Engineered and executed a labor model with R and Tableau, reducing staffing inefficiencies and standardizing labor metrics across businesses for efficient performance comparisons.

EDUCATION

Master of Science, 2023

Data Science and Analytics, GPA: 3.72/4.00

University of Oklahoma, Norman, OK

College of Engineering

Bachelor of Business Administration, 2020

Economics and Finance, GPA: 3.83/4.00

University of Oklahoma, Norman, OK

Graduated with *Special Distinction*

AREAS OF EXPERTISE

*Data Visualization & Storytelling in **ggplot** and **Canva***

*Optimization Modeling in **gurobipy** **Python***

*Machine Learning in **Python** & **R***

*Causal Inference Modeling in **Python** & **R***

***SQL** for Data Science Process*

*Earnings & Valuation Modeling in **Excel***

*Executive Dashboards in **Tableau** & **R Shiny***

*Project Delivery with **GitHub**, **R Markdown**, and **Jupyter***

HONORS & ACCOMPLISHMENTS

Distinguished Leadership Award, Children's Miracle Network Hospitals Dance Marathon, May 2020

- Recognized for national and local impact on funding for Children's Hospitals.
- Selected from thousands of graduating seniors across 300 colleges who take part in CMN Dance Marathon.
- Recognized separately with the "Hero Award" by the Oklahoma Children's Hospital Foundation.

Eagle Scout, Boy Scouts of America, 2013

Valedictorian Scholarship, University of Oklahoma, 2016