

# DANIEL B. CARPENTER, MS

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## 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 analysis that founded an enterprise capital allocation framework, which ties future tribal funding to earnings.
- Enabled indefinite funding of 25% of government services by producing a model that established a ~\$5B portfolio, which is expected to generate returns through investment and dividend income.
- Mitigated manual data entry risk in a ~\$3B portfolio by creating 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 Executor and CIO, centralizing reporting in one platform.
- Augmented inaugural framework with executives by providing analysis, which aims to ensure all future tribal projects are evaluated for financial sustainability.

### **Advisor of Operational Performance and Analysis**

January 2021 - November 2022

*Office of Strategic Planning, the Chickasaw Nation*

- Discovered \$100 MM in unexpected annual offerings by conducting market analysis to aid Chickasaw renters and homeowners during post-COVID-19 inflation.
- Prevented \$12 MM 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 \$34 MM in federal loan recycling funds.
- Achieved 95% forecasting accuracy by deploying an R-based revenue model, regularly presented to the CEO.

### **Intern for Operational Performance and Analysis**

June 2018 - December 2020

- Reduced precision manufacturer inventory COGS 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 Hospital's Dance Marathon, May 2020

- Award based on national and local impact on Children's Hospitals' funding while Executive Vice Chair of Finance.
- 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