

ISAAC MCSORLEY

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EDUCATION

THE UNIVERSITY OF IOWA

Master of Science, Business Analytics (*Currently Dual enrolled*)

Iowa City, IA

December 2023

B.B.A., Business Analytics and Information Systems

December 2022

- Cumulative GPA: 3.8/4.0
- University Dean's List Honors
- Tippie Technology and Innovation Association Club Member

May 2021 - Present

TECHNICAL SKILLS

Tools: Python (scikit-learn, pandas, numpy), R, SQL, Power BI, Tableau, Salesforce, Excel, AWS

Methodologies: Skilled in data engineering, ML modeling, financial modeling, data wrangling

EXPERIENCE

SPARTAN FORGE - DEER MOVEMENT PREDICTION APP

Remote

Machine Learning Intern

October 2022 - Present

- Developing AI solutions for projects to advance the capabilities of the application and reach more users
- Assisting with the continued development of convolutional neural network models and GIS mapping software to build and deploy models that predict deer movement for hunters to utilize

JP MORGAN CHASE & CO.

Chicago, IL

Global Finance & Business Management Summer Analyst

June 2022 - August 2022

- Provided financial analysis support to teams across 5 products and multiple lines of business
- Developed an extensive model to forecast the cost of funds changes due to Fed interest rate increases and released it to the investment bank commercial card team
- Analyzed budget performance and presented necessary mid-year adjustments to 20+ employees

UNIVERSITY OF IOWA COLLEGE OF NURSING

Iowa City, IA

Database Administrator

February 2022 - May 2022

- Designed and built a fully relational database in Microsoft Access for the college of nursing to be able to better track more than 100 hospitals that use their nursing residency program each year
- Streamlined various data collection and reporting processes through Access queries and reports reducing invoicing and reporting times by more than 50% through automation of tasks
- Automated workflow processes such as data entry that save 3-4 hours per week

HNI CORPORATION

Muscatine, IA

Data Analyst Intern

June 2021 - August 2021

- Formed a competitive analysis targeting growth in sales by analyzing data from the top 4 competitors to build a pricing strategy better aligned with the market
 - Answered ad-hoc data requests from the product team: Using Oracle BI and Salesforce to gather data, then cleaned and transformed the data into reports and visualizations using Excel
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PROJECTS

Churn Rate Predictive Modeling: Trained and evaluated an XGBoost model in R that is able to successfully predict 86% of customers who will churn as well as identify key variables that lead to churn for a credit card company

Optimal Airline Flight Planning Analysis: Utilized SQL to manipulate data to find the best travel plans from Chicago O'Hare Airport and created visualizations for presentation to 30+ peers