ISAAC MCSORLEY

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EDUCATION

THE UNIVERSITY OF IOWA   **Iowa City, IA**
Master of Science, Business Analytics   *December 2023*
B.B.A., Business Analytics and Information Systems   *December 2022*
- **GPA**: 3.8/4.0
- **Honors:** University Dean's List
- **Clubs:** Tippie Technology and Innovation Association Club Member

TECHNICAL SKILLS

Tools - Python (scikit-learn, pandas, NumPy), R, SQL, Power BI, Tableau, Salesforce, Excel, Azure

Methodologies - Skilled in data engineering, ML modeling, data wrangling/mining, statistical methods

Certifications - Microsoft Azure Fundamentals

EXPERIENCE

SPARTAN FORGE - DEER MOVEMENT PREDICTION APP   **Remote**
Machine Learning Research Intern   *October 2022 - Present*
- Assisting with the development of innovative AI solutions for projects to advance the capabilities of the application and reach more users
- Exploring possible new mapping layers available from public GIS data that can be utilized in the app

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 Developer   *February 2022 - May 2022*
- Designed and built a relational database in Microsoft Access for the college of nursing to be able to track more than 100 hospitals that use their nursing residency program every 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 4+ hours of manual labor 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 rest of the market
- Performed ad hoc reporting: Used Salesforce to gather data, then cleaned and transformed the data into reports and visualizations using Power BI or Excel

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

Network Analysis: Consulted with a nationwide store chain to analyze 20+ store's network usage, using python to build a normal distribution and recommending the reallocation of resources to specific stores