ISAAC MCSORLEY

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EDUCATION

THE UNIVERSITY OF IOWA

Master of Science, Business Analytics   December 2023
B.B.A., Business Analytics & Information Systems   December 2022
- **GPA**: 3.8
- **Activities:** Graduate Teaching Assistant - Data mining class | Tippie Technology Club Member
- **Awards:** University Dean's List | 1st Place - National Case Competition (Database Design)

TECHNICAL SKILLS

Tools - Python (pandas, scikit-learn, Jupyter, etc.), SQL, Power BI, Tableau, Alteryx, Microsoft Azure, Jira, R

Methodologies - Data engineering/analysis, ETL process, database management, cloud computing, automation

Certifications - Microsoft Azure Fundamentals, Alteryx Designer Core

EXPERIENCE

JP MORGAN CHASE & CO.   **Tampa, FL / Chicago, IL**
Corporate Analyst Development Program Summer Analyst - Tampa, FL   June 2023 - August 2023
- Developed and executed an end-to-end ETL project to optimize reporting processes for the investment bank pricing/billing solutions team that enhances data-driven decision making
- Created multiple Alteryx workflows automating data cleansing and transformation processes
- Integrated the data into a Tableau dashboard enabling real-time tracking and delivering actionable insights

Global Finance Summer Analyst - Chicago, IL   June 2022 - August 2022
- Provided financial analysis support to teams across 5 product lines in the commercial bank
- Designed and implemented an advanced Excel forecasting model to project the impact of changes in the cost of funds due to Fed interest rate increases incorporating multiple data sources
- Evaluated budget model performance and recommended mid-year adjustments for future accuracy

SPARTAN FORGE - DEER MOVEMENT PREDICTION APP (Startup)   **Remote**
Machine Learning Research Intern   October 2022 - May 2022
- Assisted with the R&D of innovative AI solutions for projects to advance the capabilities of the application and expand user outreach
- Collected public data for improved vector mapping layers for the app then utilized Python for data normalization and integration into the backend of the app reducing operational expenditure

THE UNIVERSITY OF IOWA COLLEGE OF NURSING   **Iowa City, IA**
Database Developer   February 2022 - May 2022
- Constructed a brand new relational database in Microsoft Access, enabling seamless tracking of over 100 hospitals participating in the College of Nursing residency program annually
- Streamlined data collection and reporting procedures through automated queries and reports, resulting in significant reductions in invoicing and reporting times and increasing productivity by up to 50%
- Developed workflow automation such as data entry resulting in a time savings of over 4 hours per week

HNI CORPORATION   **Muscatine, IA**
Data Analyst Intern   June 2021 - August 2021
- Formed a competitive analysis presentation targeting growth in sales by analyzing data from top competitors to build a pricing strategy better aligned with the rest of the market
- Performed ad hoc reporting for multiple data analytics teams: Used Salesforce to run reports to get data, then cleaned and transformed the data into reports and visualizations using Excel/Power BI

PROJECTS (View Portfolio)
- Customer Churn Predictive Modeling | Relational Database Development | Airport Best Flight Analysis