

# ISAAC MCSORLEY

(319) 931-8757 | isaac-mcsorley@uiowa.edu | immcsorley.github.io | linkedin.com/in/immcsorley

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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 & Business Analytics)

## TECHNICAL SKILLS

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

**Methodologies** - Data engineering and modeling, machine learning, ETL, database management, automation

**Certifications** - Microsoft Azure Fundamentals, Alteryx Designer Core

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## EXPERIENCE

### JP MORGAN CHASE & CO.

Corporate Analyst Development Program Summer Analyst - Tampa, FL

June 2023 - August 2023

- Executed an end-to-end ETL project to optimize reporting processes for the investment bank pricing/billing solutions team that reduces manual labor hours and enhances data-driven decision making
- Created multiple workflows using Alteryx that automate data cleansing/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 better accuracy

### SPARTAN FORGE - DEER MOVEMENT PREDICTION APP

Machine Learning Research Intern - Remote

October 2022 - May 2023

- 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

Database Developer - Remote

February 2022 - May 2022

- Constructed an innovative complete relational database enabling seamless tracking of over 100 hospitals and thousands of residents that enroll 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

Data Analyst Intern - Remote

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 gather data, then cleaned and transformed the data into reports and visualizations using Power BI
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## PROJECTS ([View Portfolio](#))

- Database Development | Customer Churn Predictive Modeling | News Website Sentiment Analysis