

Thomas Farrell

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EDUCATION

UNIVERSITY OF MINNESOTA, Minneapolis, MN

Carlson School of Management

- Candidate for **Master of Science in Business Analytics** May 2024
- Bachelor of Science in Business – **Management Information Systems and Supply Chain and Operations** May 2022
 - *Summa Cum Laude with High Distinction*
 - Member of the Carlson Business Case Competition Team

EXPERIENCE

CARLSON ANALYTICS LAB, Minneapolis, MN

Analytics Student Consultant

July 2023 – Present

Success Analysis of College and Career Readiness Program

- Leveraged multiple predictive modeling techniques using R and Python to determine if and how college preparatory courses taken during high school led to college success.
- Created an executive dashboard using Tableau and presented the business value of our findings for key stakeholders.

Segment Analysis of Non-Profit Financial Literacy Firm Clients

- Performed a multitude of rigorous clustering techniques using Python to find insightful and meaningful client segments.
- Effectively communicated the business value of our findings through data visualization, statistical analysis, and a presentation.

Current Project - *Creation of a Recommender System to Increase Sales Efficiency*

- Explored feature engineering, clustering methodologies, and multiple technical approaches to create an effective recommender system.

EPIC SYSTEMS, Verona, WI

Technical Solutions Engineer (Healthy Planet)

Aug 2022 – Apr 2023

- Managed customer relationships for 5 large health systems by troubleshooting technical issues and providing strategic guidance to enable Population Health efforts.
- Guided a major Florida-based health system through a complicated roll-out of Epic software to new sites across the United States.
- Used SQL and MUMPS to write several data-gathering programs to create executive reports measuring the financial performance of customers using HCC functionality.

DELOITTE, Minneapolis, MN

Summer Risk and Financial Advisory Intern

Jun 2021 – Aug 2021

- Wrote and edited 40+ pieces of internal controls documentation for 2 Fortune 100 companies to meet yearly audit requirements.
- Automated an Excel burndown chart and project management document using custom macros, increasing team efficiency, and eliminating a task that would take 2 hours a week.

DATA SCIENCE PROJECTS

- **Honors Thesis** – Conducted a financial analysis of the secondhand video game market using R, Python, Tableau, and Excel. The paper was nominated for the Dean's Thesis Award.
- **Trends Marketplace** – Researched, demoed, and presented the business value of a toxicity detection workflow on the Databricks platform to industry experts.
- **Classification Model** – Used R to build multiple predictive models for classifying customers for a marketing campaign and presented the business value.

TECHNICAL SKILLS

- **Tools:** SQL, R, Python (Pandas, Sklearn), Tableau, Excel, Epic, SAP, Databricks, Photoshop
- **Techniques:** Statistics, Predictive Modeling, Big Data, Data Analytics, Data Visualization, Time-Series, Network Analysis, Experimental Design, Observational Data
- **Languages:** Intermediate skills in Italian and Japanese