

# THOM FLAHERTY

Data Science and Machine Learning Engineer Generalist, with a focus on providing end-to-end modeling solutions. Background in visual and UI/UX design.



## EDUCATION

2018  
|  
2017



### M.S., Mathematics, Data Science

University of Nebraska

📍 Omaha, NE

- Focused on machine learning and interactive visualizations.
- Thesis: Tools to Combat the Opioid Crisis

2016  
|  
2015



### B.S., Mathematics

University of Nebraska

📍 Omaha, NE

- Tutored upper level mathematics.



## INDUSTRY EXPERIENCE

2022  
|  
2021



### Data Science Engineer

Spreetail

📍 Omaha, NE

- Worked closely with business stakeholders to develop, deploy, and maintain a multitude of models, providing deep insight and predictive analytics.
- Developed standard operating procedures while standing up Azure Databricks environments.
- Optimized models to utilize parallelism via Apache Spark, ensuring scalability.

2021  
|  
2019



### Senior Analytics Developer

Nebraska Medicine

📍 Omaha, NE

- Worked to implement, analyze, and validate patient safety and value-driven initiatives.
- Implemented and maintained RStudio Connect.
- Built and deployed COVID-19 inpatient forecasting models as well as a community transmission rate calculator.

2021  
|  
2020



### Data Science / Machine Learning Consultant

The Tvrdik Group

📍 Omaha, NE

- Built customer experience clustering methods as well as model API solutions.

2019  
|  
2017



### Data Scientist

Nebraska Methodist Health Systems

📍 Omaha, NE

- Envisioned, prototyped, and implemented data science and visualization standards.
- Developed and deployed opioid analysis and visualizations leading to a decrease in provider overprescribing.

2017  
|  
2016

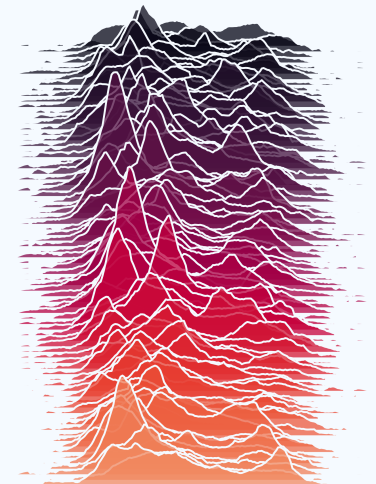


### Data Science Intern

Nebraska Applied Research Institute

📍 Omaha, NE

- Utilized a mixed-effects model to analyze and validate nurse retraining.



## CONTACT

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🐦 [thomasflaherty](https://twitter.com/thomasflaherty)

📺 [thomasjohnflaherty](https://www.youtube.com/channel/UCthomasjohnflaherty)

in [thomasjohnflaherty](https://www.linkedin.com/in/thomasjohnflaherty)

## LANGUAGES

Python

R

Bash

SQL

## PACKAGES

pyspark

pysparkling

tidymodels

sklearn

shiny

## CLOUD

Databricks (Azure/GCP/AWS)

H2O.ai

RStudio Connect

Docker