

MATTHEW G. HOFF

Manager of Portfolio Risk & Analytics

PROFESSIONAL EXPERIENCE

- Present
|
2021
- Manager, Portfolio Risk & Analytics**
Energy Harbor Corp. 📍 Akron, OH
- Oversaw development of nuclear generation asset risk pricing model inherent in the company's application for the [DOE's Civil Nuclear Credit](#) program
 - Managed seamless cloud migration of business-critical data warehouse: [ZEMA](#)
 - Developed & automated the company's Financial Trade Position report
 - Developed, automated, & manage numerous risk metrics (VaR, GMar, etc.) concerning the above financial position
 - Developed & implemented a weekly-held analyst-directed R Skills training course
 - Managed the completion & clean-up of the company's hedge confirmation backlog
 - Developed new methods for creating price risk adders for Structuring & Pricing
 - Converted all company QlikView processes to [R](#)
- 2021
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2020
- Data Scientist, Risk Management**
Energy Harbor Corp. 📍 Akron, OH
- Developed custom R package for interacting with Hitachi's [TRMTracker](#) API to enable the creation & automation of data pipelines
 - Created automated data pipeline between source systems (e.g. ZEMA) and the company's trade system of record (TRMTracker)
- 2020
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2019
- Analyst, Regulated Settlements**
FirstEnergy Corp. 📍 Akron, OH
- Optimized & automated daily PJM load settlements review & upload processes reducing work-hours by ~20% while eliminating the potential for manual data processing errors
- 2019
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2015
- Analyst, Rates & Regulatory Affairs**
FirstEnergy Corp. 📍 Akron, OH
- Optimized the month-end Metered-but-Unbilled (MBU) accounting process
 - Revolutionized the weather normalization methodology as part of the above MBU
 - Board Member of business resource group for quants: "The Quant Group"
 - Co-founder of the *Purpose, Power, & Perspective* Executive Leadership group
 - Developed & published the FirstEnergy Corp Data Science & Machine Learning Playbook for Executive Leadership

TEACHING EXPERIENCE

- 2019
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2017
- Economic Forecasting & Time Series Analysis in R**
Assistant Lecturer, *The University of Akron* 📍 Akron, OH
- 2014
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2013
- Econometrics & Senior Project**
Graduate Teaching Assistant, *The University of Akron* 📍 Akron, OH

EDUCATION

- 2014
- Master of Arts, Economics**
The University of Akron 📍 Akron, OH
- 2013
- Bachelor of Sciences, Mathematics**
The University of Akron 📍 Akron, OH



CONTACT INFO

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SKILLS & INTERESTS

Data Science	Statistics	R
Statistical Learning	Kaggle	
Time Series	Mapping	Git
Automation	SAS	Shiny
Data Visualization	Python	
Process Improvement		
Mathematics	Forecasting	
Simulation	Econometrics	

Highly skilled in R, Shiny, SAS, Git, & LaTeX with an analytics focus on time series & stochastic modeling of weather, energy, & pricing