

# MATTHEW G. HOFF

Manager of Risk Control & Analytics

## PROFESSIONAL EXPERIENCE

- 2021  
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2020
- Manager, Risk Control & Analytics**  
Energy Harbor Corp. Akron, OH
- Oversaw cloud migration & upgrade project of an on-premise database system (ZEMA) resulting in increased reliability
  - Developed & automated the reporting of various risk metrics concerning the Company's Commodities trade position
  - Developed & implemented an R Skills training course that increased analysts' proficiency
  - Locked down the Trade Confirmation Process, improving transparency & data integrity
  - Developed methodology for creating a price risk adder used by Structuring & Pricing
  - Converted & automated various reporting processes from QlikView to R thereby reducing time-to-completion by ~85%
- 2020  
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2019
- Analyst, Regulated Settlements**  
FirstEnergy Corp. Akron, OH
- Optimized daily data review process prior to PJM upload, reducing work-hours by ~20%
  - Automated daily data upload to PJM, further reducing work-hours and manual error potential
- 2019  
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2015
- Analyst, Rates & Regulatory Affairs**  
FirstEnergy Corp. Akron, OH
- Optimized the SAS-based Metered-but-Unbilled (MBU) accrual accounting process
  - Revolutionized the weather normalization methodology & process as part of the MBU
  - Developed & published the FirstEnergy Corp Data Science & Machine Learning "Playbook" for Executive Leadership
  - Board Member of the FirstEnergy "Quant Group"
  - Co-founder of the *Purpose, Power, & Perspective* Executive Leadership talking sessions

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



## CONTACT INFO

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## SKILLS & INTERESTS

Data Science | Statistical Learning | Time Series | Machine Learning | Slacklining | Kaggle | Data Viz | Prediction | Chess | GitHub | Process Improvement | Go | Mathematics | Handbalancing | Mapping | Rock Climbing | Automation | Movement |

Highly skilled in R, SAS, Python, Git, & LaTeX