NICHOLAS HERMAN

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Results-driven data scientist utilizing analytical skills to uncover practical insights and guide informed decision-making processes. Possesses strong problem-solving skills with the ability to thrive in a fast-paced environment. Eager to leverage diverse expertise and make a meaningful impact in the data science industry.

SKILLS

DATA SCIENCE	R (dplyr, ggplot2, shiny), Python (numpy, pandas, scipy, scikit-learn), SQL
MACHINE LEARNING	Decision Trees, Clustering, Gradient Boosting, Generalized Linear Models, Support Vector Machines, Neural Networks
TOOLS & DBMS	RStudio, Jupyter, Sublime Text, Excel, Git, MySQL

PROFESSIONAL EXPERIENCE

NYC Data Science Academy, New York, NY   Dec. 2023 - Current
Data Science Fellow
- Developed web scraping script for a fintech AI company to extract targeted information from documents and implemented techniques including TF-IDF and semantic search to analyze and determine similarity between companies based on extracted text data
- Collaborated on a team to develop and present linear and tree based machine learning models to predict housing prices using the Ames Housing Kaggle competition data set
- Developed an interactive dashboard using R and Shiny, visualizing and mapping Motor Vehicle Collisions in NYC

Caldwell & Walsh Building Construction, Inc., New York, NY   Jan. 2020 - Feb. 2023
Assistant Superintendent
- Lead and managed multiple trades on an active hospital renovation site with 20-40 crew members daily
- Coordinated all trades to ensure project was in compliance with Construction Documents, quality standards, project deadlines and budgets
- Maintained records for site, including daily field reports, material and equipment orders, and requests for information
- During COVID, implemented safety protocols with the Hospital's Infectious Disease Department

PCL Construction, East Rutherford, NJ   Nov. 2017 - Jan. 2020
Field Engineer (MEP) – American Dream Mall & Entertainment Complex
- Collaborated on a team that managed daily operations for the construction of the 2nd largest mall in the U.S., with up to 1,500 workers on site daily across 11 connected buildings
- Ensured proper functioning of existing and new equipment, coordinated with multiple subcontractors for various trades, conducted safety audits, and closely managed underperforming vendors to keep the project on schedule
- Performed quality assurance inspections and evaluations of new and existing systems for mechanical equipment and ductwork, high and low voltage electrical wiring and panels, plumbing, fire protection, concrete, drywall, painting, and gas metering to comply with the client's operational requirements
- Reviewed and interpreted contract documents, project schedules, shop drawings, requests for information, and engineering submittals for approval

Major Building Consulting, New York, NY   July 2016 - Nov. 2017
Assistant Project Engineer
- Managed expediting division; prepared forms for filing with NYC Department of Buildings, coordinated up to 20 projects simultaneously from start to completion
- Performed site surveys to create and/or update blueprints, site safety plans, tenant protection plans, & pre-fire plans for façade repair, new building, demolition, vertical enlargement, and sprinkler construction using AutoCAD
- Shadowed staff Special Inspector to compile reports and perform mechanical, structural fire-stopping and concrete/rebar inspections
- Worked directly with clients to maintain communication of ongoing projects & assure needs were being assessed

EDUCATION

New York City Data Science Academy   Apr. 2023 - Feb. 2024
Data Science with Machine Learning Certification

Binghamton University, State University of New York, Watson School of Engineering   Sept. 2015 - May 2016
Master of Science Mechanical Engineering

Binghamton University, State University of New York, Watson School of Engineering   Sept. 2011 - May 2015
Bachelor of Science Mechanical Engineering