

Jordan Harilal

Livingston, NJ | 862-242-6188 | jordanharilal@gmail.com | [LinkedIn](#) | harilalprojects.com

EDUCATION

New Jersey Institute of Technology, *Ying Wu College of Computing*,

Newark, NJ

M.S in Data Science | GPA: 3.81

May 2023

Rutgers University, *School of Environmental and Biological Sciences*

New Brunswick, NJ

B.S. in Biotechnology

December 2019

Relevant Coursework Data Mining, Data Analytics in R, Machine Learning, Deep Learning, Applied Statistics, Data Analytics for Info Systems, Data Visualization and Interpretation, Data Management and System Design

DATA SCIENCE PROJECTS

[Trails of the National Parks Dashboard](#)

February 2023

Engineered national park dashboard in Tableau to promote exploration and research of trails

- Reconstructed CSV file into DBMS by utilizing normalization to produce entity-relationship framework
- Documented data wrangling and exploration steps in PostgreSQL to improve data quality and convey trends
- Combined multiple Tableau dashboards into a cohesive story, allowing for easy exploration of national park trails and criteria customization based on end-user needs.

[Forecasting Successful Kickstarter Campaigns with EDA and Machine Learning](#)

December 2022

Implementation of machine learning ensembles in python to predict successful kickstarter campaign outcome

- Conceptualized distribution of data across features and advanced transformation process by generating histograms, time series plots, and scatter plots in matplotlib for exploratory data analysis
- Formulated attributes from existing data and evaluated features contribution towards successful campaigns by feature engineering numeric and categorical attributes such as combining low-representation categories, deriving pledged-to-goal monetary ratio, and extracting date-related components
- Established scatterplots to investigate discrepancy between monetary features which spearheaded root cause analysis and resulted in adjusting currency conversions over time to mitigate information loss
- Deployed classical and ensemble machine learning models (e.g. random forests, gradient boosting) to forecast status of Kickstarter campaigns and generate statistical inference on project performance metrics over time

[Appraising Hammer Technical Indicator Behavior between 2019-2021](#)

February 2022

Constructed analysis on the behavior of hammer technical indicator to promote optimal trading decisions

- Developed an efficient and effective algorithm to identify, extract and load hammer data points along with accompanying data into dataframe to evaluate effectiveness of the indicator across time and sector in Tableau

EXPERIENCE

DeltaMed Solutions, Inc., Somerset, NJ (CRO)

June 2022 - Present

Database Programmer

August 2022 - Present

Data Management Intern

June 2022 - July 2022

Advance data management operations for clinical trials by construction, implementation, and maintenance of databases

- Launch JReview dashboards and KPI listings using SQL to report study progression to stakeholders, measure vendor upkeep of data cleaning, and monitor occurrences of clinical adverse events
- Critically transcribe clinical study protocols into logical database to certify all integral safety data and statistically significant endpoint data are captured with accuracy and adhere to FDA regulations
- Programmed preventative database entry checks in electronic data capture system to reduce occurrences of improper data entry and notify client or end user of possibility of error or protocol deviation
- Conduct quality assurance procedures via meticulous user acceptance testing to validate anticipated functionality of database, qualify intuitive usage for end user, and resolve any outstanding contradictory database checks
- Innovated data management workflow into highly organized structure by standardizing clinical study forms and logical checks to hasten database production to exceed client timeline expectations

SKILLS

Programming: Python (*Sklearn, Pandas, Pytorch, NumPy, Matplotlib, Jupyter*), R (*Optimization, Sensitivity Reports*), OOP, Git, Linux

Cloud: AWS (IAM, EC2, S3)

Database: PostgreSQL, ER Models, Knowledge Graphs, Data Modeling, Microsoft Excel (*Pivot tables*)

Visualization: Tableau, Matplotlib, Seaborn