

ROBERT PEREZ

Data Scientist

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📍 Chicago, IL

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WORK EXPERIENCE

Data Scientist

United Airlines

📅 2023 - current 📍 Chicago, IL

- Set up a passenger demand forecasting model using Stata, increasing load factor from 0.3 to 0.72.
- Implemented anomaly detection in flight operations data with PyTorch, **reducing false positive alerts by 32%**.
- Formulated a real-time baggage tracking system in MongoDB, reducing monthly lost baggage claims by 24%.
- Developed a dashboard on Seaborn to visualize fuel efficiency, leading to a \$39K+ annual savings in fuel costs.

Business Intelligence Analyst

Walgreens

📅 2021 - 2023 📍 Deerfield, IL

- Analyzed customer loyalty program data, reporting trends to the marketing team that helped them craft personalized campaigns and **grow customer retention by 8.4%**.
- Leveraged Hive to track consumer behavior, leading to the creation of special discounts, boosting weekly sales by 16%.
- Resolved 83% of complaints related to price hikes by engineering a live price discrepancy detection system.
- Flagged 22 potential fraud ecommerce cases using a fraud detection algorithm, keeping financial risks at a minimum.

Statistical Analyst

AbbVie

📅 2020 - 2021 📍 Evanston, IL

- Used a risk analysis model for learning Acular's side effects and taking cautionary measures, preventing 4 compliance issues.
- Filtered regulatory documents for AbbVie on a Gensim-powered text classification model, **expediting the average manual review time by 11 minutes**.
- Mitigated data errors in recent evidence research papers by 17% using a self-built Python-based anomaly scanner.
- Updated the company's existing statistical error detection methods, decreasing complaints regarding miscalculations in clinical trials by 39%.

EDUCATION

Bachelor of Science

Data Science

Northwestern University

📅 2016 - 2020

📍 Evanston, IL

SKILLS

- Python
- Seaborn
- PyTorch
- Hive
- MongoDB
- IBM Cloud
- GitHub
- Pandas
- Gensim
- Stata