BRIAN DREWES

DATA SCIENTIST

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SUMMARY

Experienced stakeholder-facing professional with a passion for data-driven insights. Skilled in communication, data visualizations, R and Python programming. Seeking a role that utilizes technology to drive growth within a company. Always learning and exploring new ways to enhance processes to drive business value.

SKILLS

TECH: Python, R, SQL, Tableau, PowerBI, Salesforce, Anaplan, PowerBI, HubSpot, AWS, MicroStrategy, ChatGPT, Prompt Engineering
MACHINE LEARNING: Optuna, GridSearchCV, CatBoost, XGBoost, Gradient Boosting, Regression, StackedRegressor, Feature Engineering, AutoML

EMPLOYMENT

NYC Data Science Academy, *Data Science Fellow*, New York, NY, Aug. 2023 - Current

- Data Analysis: Analyzed the top thousand YouTubers in 2023, conducting data cleaning and visualizations with Python to identify trends that could impact business approaches. Packages used: matplotlib, pandas, numpy, plotly
- Web Application Development: Created and deployed a R Shiny web application using R programming with millions of rows of football data from the 2022 season. Designed and orchestrated the front-end and back-end of the application to cater to NFL scouts, team owners, fantasy football players and fans to analyze defensive performance.
- Machine Learning: Evaluated over 80 machine learning models with 80+ features by comparing k-fold mean of r^2 and RMSE values. Built 80+ machine learning models that predict real-estate home values in Ames, Iowa. Utilized feature engineering and SHAP feature importance to provide values associated with potential renovation projects. Compiled a top ensemble model for higher predictability and a top explainable model for interpretability. Algorithms used: CatBoost, XGBoost, GradientBoostingRegressor, RandomForest and more.
- Data Science Platforms: Reinforcing findings in the previous projects with Dataiku, utilizing visual data flow and wrangling capabilities. Validating the results through the AutoML in Dataiku to prove that gradient boosting models work well with given data.

Intrinsica AI, *Product Consultant (Contract)*, New York, NY, Sept. 2023 - Jan. 2024

- Database Utilization: Leveraged the PostgreSQL database to retrieve and insert new content additions to the automated email system.
- Web Design and Implementation: Spearheaded the design and maintenance of the company website.
- Data Visualization: Presented product feedback to company founders and potential investors through visualizations of closed beta results in an automated Google Sheets spreadsheet.
- Product Management: Contributed to UI/UX product management and development of the AI platform. Drove feedback from inception to the end of the closed beta.
- Email Automation: Utilized the AWS SES environment to create automated updates for users on new content being added to the platform.
- User Interaction: Led calls with closed beta users to drive feedback and discovery around new potential features.

Dataiku, *Analytics & ML Representative*, New York, NY, July 2021 - Jan. 2023

- POC Participation: Engaged in new technology proof-of-concepts (POCs) to explore potential increases in productivity. Achieved 30x productivity improvement with self-service analytics.
- Lead Generation: Generated leads and meetings with key leaders in data analytics, AI/ML, and innovation from Fortune 500 companies.
- Technical Demonstrations: Effectively communicated technical concepts of Dataiku to non-technical audiences, showcasing the ability to bridge the gap between technical and non-technical stakeholders.
- Salesforce Utilization: Utilized Salesforce reporting to derive lead lists for specific campaigns across the business development organization.
- Process Optimization: Implemented a Python project to display sales compensation metrics, showcasing data-driven decision-making.
- Call Efficiency Improvement: Organized call blocks based on time analytics from Outreach, resulting in a 40% increase in call efficiency.

EDUCATION

SUNY Geneseo 2014 - 2018
Bachelor's Economics 2018