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ALEXANDER COY

Data Scientist

https://www.linkedin.com/in/alexander-coy/ | https://github.com/alexcoy06

SUMMARY

Data Scientist and Python Developer with up to 4+ years of experience, leveraging Python, SQL, and machine learning to deliver data-driven solutions. Skilled in automating workflows, analyzing large datasets, and developing predictive models. Proven track record of increasing productivity by as much as 50% and boosting revenue by up to 10%. Strong background in business intelligence, data visualization, and analytics across healthcare, retail, and construction industries. Passionate about solving real-world problems through data-driven decision-making.

TECHNICAL SKILLS

Programming: Python (Pandas, Scikit-learn, LightGBM), SQL (PostgreSQL, MySQL)

Machine Learning: Predictive Modeling, A/B Testing, Time Series Analysis

Data Processing: Data Cleaning, Feature Engineering

Visualization: Tableau, Power BI, Matplotlib, Seaborn

Tools: Git, Jupyter Notebooks, APIs, Excel (Advanced), CRM Databases

TECH PROJECTS - https://github.com/alexcoy06/Data-Science

The Film Junky Union – Machine Learning Sentiment Analysis for Movie Reviews | Project 14

- Built a machine learning model to classify IMDB reviews with an F1 score of 0.85+ using NLP techniques.
- Preprocessed text data with NLTK and SpaCy, leveraging TF-IDF vectorization and logistic regression.
- Evaluated model performance with precision, recall, and F1-score; visualized insights with Matplotlib.

Zuber – Ride-Sharing Data Analysis | Project 6

- Analyzed ride-sharing data to identify passenger trends and external factors affecting ride frequency.
- Utilized Pandas, Matplotlib, and statistical analysis to extract insights and optimize service strategies.
- Provided data-driven recommendations to enhance customer experience and operational efficiency.

EXPERIENCE

Family First Life | Life Insurance Agent | 11/2022 - Present

- Managed and optimized SQL-based CRM databases, ensuring 100% data integrity and improving lead generation efficiency by 15%.
- Leveraged data analytics to assess client needs, tailoring life insurance solutions that enhanced customer satisfaction and sales performance.
- Implemented Balto AI to automate calls and messaging, streamlining client communication, boosting sales productivity, and enhancing engagement while improving organization and data insights.

Pivot Technology School | Teacher Assistant | 01/2024 - 10/2024

- Automated attendance tracking and material preparation processes using Python & SQL, reducing administrative workload by 50% and enhancing classroom efficiency.
- Resolved software setup issues, accelerating class progress by 2–3 weeks ahead of schedule.
- Reviewed and debugged student projects in Python, HTML, CSS, and JavaScript, ensuring adherence to best coding practices and optimizing code performance.

Home Depot | Sales Associate | 04/2017 - 05/2019

- Utilized Zebra software suite to analyze product sales data, influencing inventory decisions and increasing sales by 5%.
- Collaborated with the team to design data-driven sales strategies and store layouts, increasing overall store sales by 2-5% annually.
- Led a high-performing sales team that generated $300K in revenue in a single day through targeted marketing and customer engagement.

EDUCATION

TripleTen | Data Science Certification

February 2024 - December 2024

- Coursework: Probability, Statistics, Machine Learning, A/B Testing, Data Preprocessing
- Collaborated on real-world projects and mentored junior analysts.