

Bret M Harvestine

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Experience

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- FIS** Milwaukee, WI
Data Engineer – Ethos CDP Payment Panel Anonymization June 2021 – Present
- o Develop secure, autonomous pipeline operations for big data processing of financial data integrated with Python, SQL, Apache Airflow, AWS & Snowflake
 - o Boosted model performance for large scale entity matching on 3rd party data to our internal merchant data dictionary
 - o Extensive contribution to Apache Airflow DAGs & Snowflake stored procedures for production pipeline monitoring & support
 - o Calculate daily performance metrics & generate reports on client data aggregations to track current performance and understand future performance trends
 - o Analyze daily extraction process to ensure client service level agreements are met and populate respective SLA tables in Snowflake
- Statistician Data Analyst – Business Intelligence Center & Mobile* January 2019 – June 2021
- o Team lead to onboard FIS internal data centers and client consumer data sources to the FIS Intelligence Center Platform (Ethos)
 - o Exploratory data analysis using Databricks notebooks with Apache Spark, Scala, and Python for Machine Learning and Data Science
 - o Built machine learning models prepared via Databricks notebooks targeting customer retention analysis and natural language processing for FIS mobile banking applications to be presented at InFocus Conference, FL
- Datawarehouse Analyst Internship* June 2018 – January 2019
- o Evaluated leading data visualization tools against business requirements & organized Vendor Proof of Concept with Tableau and MS Power BI
 - o Researched and documented machine learning use cases and data mining opportunities in Financial Services – Customer Attrition, Customer Segmentation, Default Loan Analysis, Anomaly Detection, etc.
- Markel Corporation** Waukesha, WI
Product Management Internship May – August 2017
- o Data research and built regression models for predictive analytics on pet health insurance data
 - o Data collection and web scraping on available competitor policy information
 - o Actively recorded data into Microsoft Excel and Microsoft Access to prepare queries and data frames
 - o Built training documentation and presented results to senior analyst and product management team

Skills

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- Statistics & Mathematics / Software Engineering / Problem Solving**
- o PI planning, backlog management & release train experience in a SAFe Agile environment
 - o Data preparation, Data modeling, Constructing Data Frames, Logistic Regression, Ensemble Learning
 - o Use of Scala, Spark SQL, Python, & R for Machine Learning using Databricks MLlib and MLflow on Apache Spark
 - o Standard SQL querying for data processing, table construction, stored procedures
 - o Statistical & Experimental Design for Hypothesis Testing and Multiple Comparisons
 - o Great experience with Microsoft Office Suite (Access, Excel, PowerPoint, Word)

Education

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- University of Wisconsin-Madison** Madison, WI
Bachelor of Letters and Science, Statistics, Actuarial Science Emphasis December, 2018