Bret Harvestine

Statistician Data Analyst at FIS
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Experience

FIS   Milwaukee, WI
Statistician Data Analyst – Business Intelligence Center & Mobile   *January 2019 – Present*
- o Exploratory data analysis using Databricks notebooks with Apache Spark, Scala, and Python for Machine Learning and Data Science
- o Built machine learning models and prepared Databricks notebooks targeting customer retention analysis and natural language processing for FIS mobile banking applications to be presented at InFocus Conference, FL
- o Subject matter expert supporting knowledge transfers in AWS Cloud technology, AWS Components – Identity Access Management, Amazon API Gateway, S3, AWS Lambda, Kinesis Data Firehose, DynamoDB, Redshift, AWS Glue, Amazon Athena, CloudWatch – and Serverless Lambda Architecture
- o Documented end-to-end Data Pipeline flow & created learning aid's to assist team understanding and step-by-step guides for working with AWS cloud resources
- o Experience deploying AWS resources to a VPC via AWS Command Line Interface and Jenkin Builds using Terraform Script for resource configuration
- o Contribute to software development and code builds for our Scalable Data Infrastructure and Advanced Data Engine code using agile SAFe framework
- o Experience with Software Development best practices for code commits and push code changes: (Jira Branches, Code Review, BitBucket, Jenkins Build, Artifactory, Rundeck, & Fitnesse testing)
- o Regression testing via Behavioral Driven Development using Cucumber and Gherkin
- o Researched & documented OData Protocol and Open API integration for serverless architecture using RESTful & Websocket APIs for enterprise framework
- o Develop user stories for implementing Open API patterns leveraging AWS serverless cloud infrastructure
- o Researched & documented authentication and authorization practices using JSON Web Tokens (JWTs)
- o Completed course AWS Certified Developer – Associate via acloud.guru
- o Completed course and pursuing certificates in AWS Solutions Architect – Associate & AWS Certified Big Data – Specialty via acloud.guru

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.
- o Experience balancing program and project level resource forecasts for financial planning
- o Experience constructing 2018 Business Case to eventually be presented to executive board and stakeholders

Markel Corporation   Waukesha, WI
Product Management Internship   *May – August 2017*
- o Data research and predictive analytics on pet health insurance analysis using Guidewire
- 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 Researched and documented newly acquired claims analytics software for regression models
- o Built training documentation and presented results to senior analyst and product management team

Customer Service Representative / Accounts Receivable   *2015, 2016*
- o Sold annual Motorcycle, ATV/UTV/Snowmobile, and Special Event insurance
- o Maximized the customer experience through active listening to document first report of claims

- o Educated customers on insurance options to help guide decisions and answer policy inquiries
- o Secured payments in a fast-pace call center to process new policy sales and renewals
- o Audited and tracked Accounts Receivable and updated reporting within Microsoft Excel

Customer Care / Administrative Services Unit   *2014*
- o Organized customer mail, including banking and claim information, through interoffice delivery
- o Oversaw printing management of customer invoices and date sensitive claim renewals and policy documents

Rockstar Brand Ambassador   Madison, WI
Representative for University of Wisconsin-Madison   *December 2016 – May 2018*
- o Increase brand awareness, product sales, consumer loyalty, marketing/events intern
- o Document and distribute marketing techniques and ideas
- o Create and host social events for product promotion
- o *Won Rep of the Month out of the Midwest for the month October 17'*

Skills

Statistics & Mathematics / Computer Science / Problem Solving
- 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 and processing data
- o Use Linux, R, and the Slurm job scheduler to run tens of parallel jobs on the Statistics High Performance Computing (HPC) Cluster.
- o Use Linux, R computing via HTCondor to run thousands of parallel jobs at UW's Center for High-Throughput Computing
- o Statistical & Experimental Design for Hypothesis Testing and Multiple Comparisons
- o Great experience with Microsoft Office Suite (Excel, Access, PowerPoint, Word)

Education

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