Cliff Weaver

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www.Rismyhammer.com

GitHub
https://github.com/ZellW

Skills

Data Science
R Programming	●●●●●
EDA	●●●●●
Statistics	●●●○○
Machine Learning	●●●●○
Data Visualization	●●●●○
Feature Engineering	●●●●○
Big Data Infrastructure Design	●●●●○
AzureML	●●●●○
PowerBI	●●●●○

Development
Dev Leadership	●●●●●
Product Management	●●●●●
Agile/SCRUM	●●●●●
Program & Project Mgmt	●●●●●

Sample Algorithm Expertise

- Random Forests and GBMs (XGBoost, LightGBM)
- K Means Clustering
- SVM
- Linear Regression
- Logistic Regression
- Decision Trees
- Nearest Neighbors
- Naïve Bayes
- Deep Neural Networks (Convolutional or Recurrent Networks)
- GLMs

Customer-obsessed, data-driven, speed-oriented & quality-focused

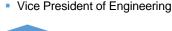## Successes

- Developed lead selection machine learning algorithm resulting in $1M+ annual revenue uplift
- Designed real-time customer segmentation algorithm replacing manual process updated semi-annually
- Exploratory data analysis revealed $500k annual cost savings from excessive calls to 3rd party service.
- Led solution design to implement Big Data infrastructure including data lake, Data Catalog, Hadoop, Spark, Kafka and R Server.
- Improved web customer experience by selecting the best performing experiencing using machine learning algorithms. (XGBoost, LightGBM)
- Optimized algorithms built on highly unbalanced data using a variety of tools include over/under, ROSE and SMOTE.
- For the largest healthcare IT company, led the development of actionable analytics using analysis services and PerformancePoint Server.
- Before the era of Big Data, developed analysis services solution to identify population health trends, patient falls predictions and outbreak alerts.
- Interfaces with ERP mainframe to predict manufacturing bottlenecks weeks to improve on-time deliveries and reduce manufacturing costs.

Work Experience

Director, Technology & Platforms LendingTree – Charlotte, NC	July 2015 - Present
Sr Product Manager NAVEX Global – Charlotte, NC	2014 – June 2015
Technology Product Manager McKesson Corporation – Charlotte, NC	2006 – 2014
Director IT Memorial Hospital – York, PA	2003 - 2006
Other positions:	1989 - 2003

- Program Manager – Major Programs
- Director of Engineering Services
- Director of Technology Assessment
- Vice President of Engineering

Education

Formal Education

University of Baltimore – Baltimore, MD Joint JD/MBA Program (3.9 GPA while working FT)	Graduated 1991
Johns Hopkins University – Baltimore, MD Engineering major (3.5 GPA)	Graduated 1984

Certifications

Microsoft Data Science Professional	2016
Duke University – Linear Regression, Inferential Statistics, Probability & Data (Coursera)	2015
Johns Hopkins Data Science Specialization (Coursera)	2015
Professional Scrum Master	2014
Microsoft Technology Associate – Software Development (C#)	2013
Pragmatic Marketing Certified	2010
Project Management Professional Certification (PMP)	1996
Microsoft Certified Engineer (MCSE)	1986-2012

Work in Progress

- Johns Hopkins - Mastering Software Development in R (Coursera – in progress)
- R Programming A-Z: R for Data Science (Udemy)
- R is my Hammer – website (www.rismyhammer.com) development featuring R programming