

Richard Reasons

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Experience

Humana, Inc.

Senior Data Scientist, Enterprise Risk & Analytics

February 2020 - Present

- Led Humana's COVID data engineering efforts to enable enterprise to track virus prevalence and vaccine availability
- Modeled COVID growth at county level to assess safety of in-home member outreach for nurses and sales agents
- Explored factors that lead to member complaints using classification and outlier detection algorithms
- Automated retrieval of datasets from CMS and state departments of insurance using Python and Selenium to monitor program compliance and enable rapid responses to compliance issues

Senior Data Scientist, IT Engineering Analytics

June 2018 - February 2020

- Lead implementation of developer productivity program to determine enterprise-wide software development best practices and improve return on vendor partnerships
- Implement statistical model feature store to enable rapid model iteration and encourage data standardization and reusability
- Performed cluster analyses to find common working patterns across hundreds of developers
- Prototyped PowerBI dashboards to standardize Azure DevOps work item and project management
- Ingest data from multiple vendor APIs to persist in data lake

Applications Consultant, IT Engineering Analytics

July 2017 - July 2018

- Parsed, cleaned and reorganized multi-gigabyte semi-structured datasets in Apache Spark using Scala to facilitate analysis
- Mined previously unused datasets to assist production support teams by helping to diagnose and remedy production incidents and potential security vulnerabilities
- Developed and analyzed statistical models in R and Spark to explore factors that influence code quality throughout the enterprise

Business Consultant, Provider Strategy & Analytics

June 2016 - July 2017

- Reengineered claims reconciliation processes and workflows to increase associate effectiveness
- Analyzed large sets of claims data to identify trends and patterns to guide provider outreach
- Deployed approachable, actionable dashboards in Tableau and SSRS to explain data findings
- Fostered a learning culture, introducing new technologies and serving as a subject matter expert
- Created Python package for performing ETL between data environments

Applications Engineer, Enterprise Data & Analytics

June 2015 - May 2016

- Designed and Developed intuitive, stylized QlikView applications to aid IT managerial functions such as release, resource, and incident management
- Collaborated daily with senior leadership to gather requirements and feedback, facilitating and agile development cycle and iterating quickly on deliverables

Applications Engineer Intern, Enterprise Data & Analytics

June 2012 - May 2015

- Architected full-stack web and iOS applications to augment business intelligence tool suite offerings

Education

Georgia Institute of Technology · *Master of Science, Analytics · Concentration in Analytical Tools*

Graduation: August 2021

Purdue University · *Bachelor of Science, Computer Information Technology*

Graduation: May 2015

Expertise

Skills Data Synthesis · Data Cleansing · Dashboard Design · Data Mining · Data Engineering · Web Scraping · Predictive Modeling · Use Case Development · Cluster Analysis · Time Series Forecasting · Outlier Detection · Process Automation · Rapid Prototyping · Business Reengineering

Visualization PowerBI · ggplot2 · d3 · Tableau · QlikView

Software Python · R · SQL · git · SQL Server · Spark · Hadoop · HDFS · Google Cloud Platform · Azure · ARENA · Splunk · Javascript · Netezza · SSRS · Azure DevOps