

Ian Shelton

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Technical Skills

- Languages: SQL, VBA, R, Python, JavaScript
- Data Analysis Tools: Tableau, Microsoft Excel, Stata, XLMiner
- Miscellaneous: Google BigQuery, Git, Jira, PivotalTracker

Experience

The Home Depot

Senior Analyst – Business Intelligence

Analyst – Business Intelligence

January 2017-Present

January 2015-January 2017

- Data Analysis
 - Implemented unsupervised Apriori algorithm in Google BigQuery to automatically generate attachment rules for most frequently purchased item sets
 - Analyzed item attachment for key product categories and identified opportunities for business changes
 - Analyzed query performance data to determine how new features impacted user experience and used analysis to recommend application changes
 - Utilized R text mining package to analyze support emails to identify opportunities for simplifying financial applications
 - Conducted analysis on enterprise transaction tables to develop methodology that accurately determines the dominant tender for each transaction
 - Studied enterprise receipt data to develop methodology and logic to restate historical receipt values for freight receipt decomposition
- Development
 - Utilized python to develop application that modifies underlying Tableau XML, allowing users to programmatically update dashboard titles, resize layout containers, and add worksheets
 - Developed Tableau Mobile Sales Dashboards by leveraging Google BigQuery and the Tableau JavaScript API
 - Leveraged SQL and Tableau to develop dashboards that are fast, simple, and actionable
 - Developed VBA code to validate and document financial application data
 - Wrote VBA code to modify Pivot Table data across Excel Workbooks and improved query times by incorporating logic to check Pivot Cache refresh time

Personal Research Projects

- Utilized python numpy and pandas libraries to analyze correlation between EPS and Stock Price and to determine how this correlation differs among industries
- Leveraged RODBC and sqldf packages in R to analyze voter registration data

Education

Master of Science, Major in Information Systems

University of Florida

Bachelor of Science in Business Administration, Major in Finance

University of Florida

Passed Society of Actuaries Probability Exam (2011)