JASON TAYLOR

DATA SCIENTIST – DECISION SUPPORT

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github.com/themechanicalbear/mobstr

SUMMARY:

Extensive experience in translating and delivering business value through technology. Broad range of technical proficiency, including data analysis, modeling and visualization. Passionate about using technology and collaboration to make a positive impact.

TECHNICAL SKILLS:

Expert:

R Programming: (Package Development, Profiling, RStudio, tidyverse, timeseries)

Data Analytics: (Data Mining, Exploratory Analysis, Imputation, Modeling)

Data Visualization: (flexdashboard, gganimate, ggplot2, ggvis, rbokeh, Shiny)

Reproducible Research: (blogdown, git, rmarkdown, travis-ci)

Proficient:

Amazon Web Services: (Athena, DynamoDB, EC2, IAM, Redshift, S3)

Machine Learning: (caret, Clustering, Random Forest, Regression)

Familiar:

(Java, Javascript, JMP, JSON, Microstategy, Python, SQL, Weka, XML)

PROFESSIONAL EXPERIENCE:

DISCOUNT TIRE - 2005-PRESENT

DATA SCIENTIST – INNOVATION - 2013-PRESENT

Lead the technical innovation program developing technology prototypes, working alongside technology teams and business stakeholders. Principal Statistical Programmer for Data Analytics team.

- Developed demand forecasting algorithm for staffing enabling more than 1000 retail locations with a more accurate way to predict their scheduling needs
- Performed extensive data cleansing, feature engineering, and imputation work enabling quicker model selection
- Quantitative analysis for customer adoption of new technology with Shiny app that enables review of key metrics providing insights into prioritizing improvements
- Brought reproducibility to the Analytics Team with the creation of an internal R package including functions for:
  - System connectivity
  - Parameterized data filtering
  - Integrated documentation
  - Consistently formatted and automated output templates for Excel, PowerPoint, PDF, rMarkdown, and HTML
- Enabled significant efficiency gains working with Business Analysts to automate data collection and analysis of reports generated in Excel by moving to scripted solutions in R
- Mobile application development for "visit the vehicle" customer interaction workflow

- Apple wallet cards for customer appointments
- Customer self-check-in technology (BLE beacons, tablet application, QR codes)
- Wearable technology for authentication and movement tracking

BRYAN UNIVERSITY 2018-PRESENT

TEACHING ASSISTANT – MASTER OF PUBLIC HEALTH PROGRAM

- Develop analysis datasets, assignment code examples, and video lectures
- Provide student assistance with assignments through online video meetings and discussion groups
- Grade assignment code and capstone submissions

THE MECHANICAL BEAR, LLC, — 2014-PRESENT

OWNER/INVESTMENT ADVISOR

- Apply my passion for finance, data, and research to assist others with their retirement goals. Create quantitative derivatives market research as a tool to educate investors.
- Present analysis via Shiny application to local Meetup group and as lunch and learns for co-workers.
- Share code and examples for these analysis projects via GitHub and blog.

DISCOUNT TIRE

MANAGER, IT INFRASTRUCTURE — 2007-2013

SR. INFRASTRUCTURE ENGINEER — 2005-2007

- Lead cross-functional teams, enterprise technical support, and system integration activities. Supervised staff of sixty and administered project and operational budgets. Introduced improvements to IT and Business Segment alignment.
- Lead broad range of departments including (Server, Network, Data Center, Application Support, PC Support, Asset Management, and Provisioning)
- Developed strong relationships with Executive Management as a trusted expert, by communicating technical information clearly while focusing on business value
- Worked closely with the Chief Accounting Officer on Vendor negotiations and contracts
- Collaborated with Infrastructure, PMO and project teams to ensure on-time, quality delivery of the organization's technical projects
- Developed a highly functioning Infrastructure Team by emphasizing ownership, accountability, training, teamwork, and delivering business value

EDUCATION:

Data Science Specialization, Johns Hopkins University, Coursera
Data Scientist with R – DataCamp (23 courses)

Jason Taylor