Jason Richardson, Ph.D.

+1 (352) 745-0539   jcrichardson617@gmail.com

Professional Summary

Results-driven Data Scientist with over 10 years of experience leading cross-disciplinary teams in implementing analytics, statistics, and data visualization, as well as developing end-to-end machine learning models. Skilled in creating reports to communicate results to senior leadership, fellow analysts, and other diverse audiences. Demonstrates a strong appetite for learning new technologies and techniques, evidenced by transitioning from a quantitative ecologist to a proficient programmer and data scientist with expertise in Python, R/RStudio, Git, Tableau, PowerBI, and SQL. Proven ability to uncover hidden patterns in data and effectively communicate findings through oral presentations and written publications.

Skill Highlights

Technical: R/RStudio, Python (pandas, numpy, scikit learn, XGBoost), Excel, SQL, Git

Statistical: Data visualization (Tableau, PowerBI, ggplot2, Matplotlib, Seaborn, Plotly)

Machine Learning (Classification, Clustering, Deep Learning,

Natural Language Processing, Regression)

Statistics (ANOVA, Dimension Reduction, Generalized Linear Models,

Multivariate, Regression)

Professional Experience

Data Scientist   **11/2021 – present**

Grow Financial Federal Credit Union, Tampa, FL

• Graduate of Step Up to Leadership program, aimed at identifying and training future leaders in the organization.

• Pioneering the use of ML and AI across the organization by automating manual processes and developing in-house models.

• Train data power users across the organization on statistical software and analyses.

• Manage projects for data power users across a variety of teams.

• Facilitated the implementation of a model risk management system to ensure statistical projects are repeatable and assumptions are safe.

• Wrote and published an R package, *cumprinc*, to replicate and automate mortgage amortization analyses conducted in Microsoft Excel.

Data Scientist   **1/2019 – 11/2021**

Coca-Cola Beverages Florida, Tampa, FL

• Employed machine learning models to predict and rectify customer churn with 97% accuracy.

• Established novel connections to various databases in Python and R allowing the data science and analytics team to effectively automate workflows.

• Built Rshiny apps automating processes and allowing end-users to interact with models and refresh dashboards, saving the environmental health and safety team ~50 hours per week in manual processes.

• Conducted ad hoc analyses in collaboration with managers and VPs from a variety of teams.

• Trained statistical models including multiple types of regression, employed dimension-reduction techniques including nonmetric multidimensional scaling and factor analyses.

• Merged, split, and transformed data using R and Python to facilitate statistical analyses and effective visualization of data.

Graduate Research Scientist   **2013 – 2018**

University of South Florida, Tampa, FL

• Wrote and published an R package, *Selectapref*, which provides means to assess dietary selection and preference in animals.

• Selected and implemented statistical analyses best suited to field collected data and the relevant research questions.

• Assisted fellow laboratory members and students with statistical analyses.

• Created weekly reports using R Markdown to accurately communicate results of analyses to research group.

Education

University of South Florida – Tampa, Florida

Ph.D. in Ecology   **August 2013 – August 2018**

Bachelor of Science, *summa cum laude*, in Biology   **August 2009 – May 2013**