JAKE AUSTIN

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Master of Business Analytics with 2 years of experience in data storage, processing, modeling and visualization, seeking strategy development opportunity within data-driven enterprise.

EDUCATION

UNIVERSITY OF MIAMI   **Coral Gables, Florida**
Master of Science in Business Analytics: GPA: 3.88   **May 2018**
Focus in machine learning and big data

UNIVERSITY OF OREGON   **Eugene, Oregon**
Bachelor of Science in Economics and Mathematics: GPA: 3.52   **August 2015**
Minors in business administration and computer information technology

COMPETENCIES and SKILLS

Forecasting • Modeling • Data Visualization • Collaboration • Strategy Planning • Management • Data Cleaning
Big Data • Machine Learning • Model Selection • A/B Testing • Experimental Design • Six Sigma Techniques

EXPERIENCE

MMM Healthcare   **Miami, FL**
Capitation Modeling Internship   **October 2017 to May 2018**
Recreate capitation payment model currently performed by third party to demonstrate viability of bringing in-house.
- Research current outsourced capitation model to determine appropriate calculation technique for determining PCP payments.
- Aggregate, clean and preprocess input variable data to prepare modeling in SAS environment.
- Implement SAS calculation procedure to create PCP payments and compile into user-friendly tabular displays for management.
- Present findings to company president and executives resulting in company moving to bring capitation process in house, saving company tens of thousands per year.

FLORIDA PANTHERS   **Miami, FL**
Lead Score Analysis Internship   **December 2017 to May 2018**
Enhance performance of current lead score models for likelihood of customers renewing season passes.
- Analyze current lead score development technique to determine currently useful inputs and surmise potential model inputs to improve lead score performance.
- Import and refine customer demographic data using API implementation in R environment.
- Utilize specialized R packages to predict other customer demographic information determined to be potentially useful in lead score analysis.
- Compile model to create lead scores based on inputs found to be appropriate predictors of season pass renewal rates.
- Present model and recommendations to head of Panthers analytics department resulting in implementation of developed metrics in lead score calculation.

CHEWY   **Miami, FL**
Inventory Forecasting Externship   **January 2018 to March 2018**
Develop an effective model for predicting occurrences of products going out of stock.
- Analyze historical occurrence of out-of-stock issues on popular products and determine information appropriate for predicting.
- Preprocess provided data to make viable for forecasting using gradient descent, random forest and generalized linear models.
- Develop various models to predict out-of-stock likelihood for products and test predictions against historical occurrences to determine most prudent model.
- Present recommended model to chewy analytics team, resulting in their selection of said model as the most effective in predicting occurrences of products going out of stock.

GREENER GRASSES   **Portland, OR**
Owner, CEO   **June 2015 to October 2017**
Enrich community by providing herbal supplements and information to encourage total wellbeing.
- Develop and implement marketing strategies including promotional efforts resulting in peak of $60,000 in single month sales.
- Maintain detailed financial records on revenues and costs related to the business for analysis concerning business direction and corrections needed to business model.
- Continually verify strict legal regulations and requirements are upheld to preserve the continued legal status of the enterprise, resulting in continued licensure and praise from governing officials.

PERSONAL and PROFESSIONAL INFORMATION

Languages: Conversational Spanish and German   **Certifications:** Metrc 2016, CFA Standards of Practice
Data Modeling: STATA, R, SAS, Matlab, Python, Minitab   **Big Data:** Hadoop, Spark, Jupyter Notebooks
Data Visualization: Tableau, RStudio, Excel, LucidChart   **Data Management:** SQL, SAS, Microsoft Access, Hadoop