Sara Marie Simoes

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SUMMARY

- Data Analyst with proven capabilities in team leadership, collaboration, and attention to detail
- Over 10 years experience meeting deadlines and delivering quality products in a fast-paced and changing environment
- Proficient in Product Lifecycle Management (PLM) systems

TECHNICAL EXPERTISE

- **Python Programing**: Python 3, NumPy, Pandas, Matplotlib, Scipy, Selenium, Splinter, Flask, API Interactions
- **Data Visualization**: Tableau, Matplotlib, JavaScript, D3.js, HTML, Plotly, Geomapping with Leaflet.js, VBA, Excel
- **Databases**: PostgreSQL, MongoDB, AWS, Alteryx, Talend
- **Machine Learning:** Scikit-learn, Keras, Tensorflow, NLP
- **Big Data**: Hadoop, PySpark
- **Tools**: Git, GitHub, CLI, Jupyter Notebook, Google Colab, AWS

PROJECTS

Machine Learning- Emotion Predictor: Machine Learning model trained and tested with a random forest model to predict primary emotion based on input audio file. Data cleaned and trained in a Jupyter Notebook using Pandas and Librosa. Results Visualized using Pandas, Tableau and JavaScript functions with bootstrap in a dynamic HTML website.
Deployed to Heroku Server: **voice-emotion.herokuapp.com**
GitHub: **tinyurl.com/uaca9xm**

Cocktail Creator- Full Stack App: Worked collaboratively to create an interactive website displaying information on popular cocktail recipes. Gathered data from csv files as well as web scraped data from google articles. Explored and cleaned data using Pandas in a Jupyter Notebook. Designed a database in PostgreSQL to store data. Created a website using Bootstrap HTML/CSS and interactive visualizations using multiple Javascript libraries including Plotly, Geomapping with Leaflet.js.
Deployed to Heroku Server: **tinyurl.com/vu8rpcx2**
GitHub: **tinyurl.com/7gvyqkbt**

Weather Visualization HTML: Designed a responsive website using Bootstrap HTML and CSS to display climate data visualizations made in Python using Pandas, Matplotlib, API Request calls, and Google Maps API in a Jupyter Notebook.
Published to GitHub Pages: **tinyurl.com/13av7ft6**
GitHub: **tinyurl.com/wec7ir11**

EXPERIENCE

TMCI, McLean, VA
Independent Contractor / Data Analyst   **March 2021 - Present**

- Used Python to automate daily processes and reduce work time from 2hours to 8min saving 97hours annually
- Create dynamic workflows in Alteryx
- Data Visualization - Tableau

Gap Inc, New York, NY
Manager Raw Materials/Fabric R&D -Male Gender Knits, Sweaters & Active   **March 2018 - March 2021**

- Evaluate test reports and advise risk assessments of fabrics based on their style and end use
- Use PLM(Product Lifecycle Management) database to enter and track fabric records. Create reports on fabric usage to leverage qualities and save in fabric costing

Macy's Merchandising Group, New York, NY
Manager Raw Materials/Fabric R&D - Private Label Brands   **August 2009 - February 2018**

- Managed team of direct reports supporting 6 private label brands
- Developed a vendor/mill database for efficient and accurate fabric sourcing
- Negotiated and leveraged fabric orders across MMG brands to reduce fabric cost and increase margin

EDUCATION

- **Certificate in Data Analytics & Visualization Rutgers University**
- **B.S. in Textiles, Fashion Merchandising, and Design, University Of Rhode Island** Kingston, RI
- **Study Abroad- University of Westminster,**London & **Lorenzo De Medici** Florence