TIFFANY GOMEZ

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EDUCATION

University of Southern California
Certification
Data Analytics
January - July 2018

Syracuse University
B.S. Biology
Focus: Neuroscience, Pre-Medicine
August 2012 – May 2016

SKILLS

Technical

Python
JavaScript
Excel VBA
HTML/CSS
Bootstrap
D3.js
Plotly
Tableau
MySQL
MongoDB
Git
Data Visualization
Data Analysis
Adobe Creative Suite
Microsoft Office
Organization
Teamwork
Photography
Photo Editing

Languages

English
Spanish
French
Latin

APPLICATIONS | PROJECTS

For Crying Out Cloud

Analyzed relationship of latitude with temperature, humidity cloudiness, and wind speed. Created random latitudes and longitudes with python and utilized API calls to assign cities to the produced coordinates. Utilized API calls to pull weather data and store it in a data frame. Cleaned and visualized data with Matplotlib, and created dashboard for visual analysis.
Explore here:　tgomez.github.io/For_Crying_Out_Cloud_Dashboard

Bank Risk Analysis

Created 3 machine learning models (Random Forest, Logistic Regression, Multilayer Perceptron Neural Network) to predict probability of loan default. Dashboard created with HTML/CSS and Bootstrap.
Explore Here: https://tgomez.github.io/Bank-Risk-Analysis

EXPERIENCE

COASTAL VIEW GASTROENTEROLOGY OF SOUTH BAY

MANAGER　　　　　　　　　　　　　　　　　DEC 2016-CURRENT
- Tasked with transferring data from electronic medical records system to CSV format for patient billing analysis.
- Increase efficiency of tasks by implementing new techniques and eliminating redundancy.
- Created collateral with Word and Photoshop for office use and marketing

R. WELCH BIOINFORMATICS RESEARCH LAB

RESEARCH ASSISTANT　　　　　　　　　　　JAN 2016-MAY 2016
- Pulled sizable data sets of thousands of gene and protein sequences from large databases, NCBI and KEGG
- Utilized VBA and Analysis Toolpak to analyze gene similarities
- Predicted unknown gene functions in Minimal Genome Project by applying statistics.

S. HEWETT NEUROSCIENCE REASEARCH LAB

REASEARCH ASSISTANT　　　　　　　　　　JAN 2015-MAY 2016
- Developed and tested protocol for production of brain slice cultures
- Analyzed and measured cell death utilizing stain and microscope methods for actionable insight to improve culture media recipe
- Reported and presented research through poster and slideshow mediums in research symposiums and for peers

20 WATTS MAGAZINE

PHOTO DIRECTOR　　　　　　　　　　　　　JAN 2015-MAY 2016
- Spearheaded change in art direction for a sleek and original design
- Demonstrated exceptional communication skills and working with varied internal groups
- Coordinated staff of photographers to deliver unparalleled coverage
- Reached out to press management to receive press credentials
- Collaborated with Art Department to design digital and print content