Katrina Nguyen

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Website: https://katrinan029.github.io

OBJECTIVE

To leverage my passion for programming and excitement in writing code to provide the fuel for solving everyday practical problems. Strong communication skills combined with the proven ability to lead and collaborate with cross-functional teams to achieve challenging goals. A results-oriented and highly motivated self-starter who is fully committed to proving herself in a new environment.

TECHNICAL SKILLS

JavaScript, React.js, Chart.js, Node.js, Express, D3.js, Python, SQL, HTML5, CSS, Excel, Google Suite, Data Analysis, Statistical Modeling, Financial Analysis

PROJECTS

Project SIMPLE (Service Insights from Machine Processing of Linguistic Evaluations)
- Used Sentiment analysis as a natural language processing (NLP) technique to determine whether 42,000+ reviews from Disneyland is positive, negative or neutral
- Built a web application using vanilla JavaScript, HTML, and CSS to display the NLP analysis and deployed on Heroku

Weather Visualization Website
- Extracted data from the OpenWeatherMap API to assemble a dataset of over 500 random selected cities, and assembled the dataset using Matplotlib to plot various aspects of the weather versus latitude.
- Built a website provide to the source data and visualizations created as part of the analysis

Project Shutdown
- Built a web application using the Flask framework in Python to render charts and graphs that illustrate the impact of COVID 19 on businesses in San Francisco, CA

WORK EXPERIENCE

City of Santa Clara: Management Analyst, Santa Clara, CA | *December 2018 – December 2020*
- Analyzed complex large financial datasets and derive insights by identifying trends or patterns and presented findings using Excel. Communicated findings across the organization through quarterly meetings to ensure that the financial projections are on target
- Collaborated and partnered with internal stakeholders to proactively identify process improvements. Managed critical process improvement projects by regularly reporting procedures to track results in order to transition manual processes into automated processes.
- Developed standard operating procedures to document changes to processes in order to achieve a quality end-result

City of Hermosa Beach: Management Analyst, Hermosa Beach, CA | *January 2018 – December 2018*
- Oversaw large-scale technology improvement projects leading to the transformation of the organization into a digital workplace
- Collaborated with key business and community stakeholders to develop an action plan to reduce homelessness within the jurisdiction
- Tracked and managed key performance indicators across the organization and report status to the governing board to ensure that the organization's performance is in alignment with the strategic goals

EDUCATION

University of California, Berkeley Extensions, Berkeley, California
Data Analytics and Visualization Certification

University of Southern California, Los Angeles, California
Masters of Public Administration

University of California, San Diego, La Jolla, California
Bachelor of Arts in Political Science/Public Law Minor: Business Administration