Gregory P. Albarian

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GitHub: https://github.com/GregoryAlbarian
Personal Website: https://gregoryalbarian.github.io/PersonalWebsite/

Education

Chapman University: Orange, CA

- **Accelerated M.S. in Computational and Data Sciences; Emphasis in Applied Mathematics and Analytics** Fall 2021
- **Bachelor of Science in Computer Science Major; Minor in Mathematics** Fall 2020

Technical Skills

Object Oriented Programming
Data Structures and Algorithms
Machine Learning Libraries in Python (Sklearn, Numpy, Pandas, Matplotlib, Tensorflow, Keras)
Natural Language Processing (NLP) with Python libraries (NLTK, Gensim, TextBlob)
Digital Image Processing (thresholding, edge detection, contours, CNNs)
Multithreading and Scheduling
UNIX/LINUX Command Line Terminal (Bash/Shell Scripting)
Git and GitHub

Languages:

- Java
- C/C++
- C# (.NET framework)
- Python
- HTML5/CSS
- R
- MATLAB
- SQL

Projects

Analyzing Medical Practitioner Stress March 2021 - December 2021

- Used Python libraries such as Scikit-learn, Pandas, and Keras and algorithms such as decision trees, SVMs, and neural networks to analyze the stress of medical practitioners.

DowJonesDividendAnalysis October 2020 – December 2020

- An R script that tries to use graphs to find a relationship between stock dividends and average volumes in the Dow Jones Industrial Average for 2018.
- The data of stock volumes was pulled from Kaggle. The data for the dividends was web scraped using the rvest library. The visualizations are done with the ggplot2 library.

MarkovMusic January 2019

- A Python 3 script that implements a one back Markov Chain model to learn patterns in song lyrics. It uses these patterns to generate new songs.

Employment History

Chapman University: Orange, CA
Research Assistant September 2021 – December 2021

- Formatted data using Python and Pandas library to reformat data gained from a series of surveys throughout the therapy treatment of mental health patients.
- Used Times Series Clustering in R to relate responses of the survey to patients' performance with regard to stress, depression, and anxiety.

theDevMasters: Irvine, CA May 2021 – July 2021
Junior Data Scientist

- Worked on machine learning algorithms to predict housing prices in Cambodia to be used into an application called Z1 to help people find home within a specific price range.

Chapman University: Orange, CA September 2020 – December 2020
Student Faculty Aide/Grader

- Grades students' work and quizzes for Single and Multivariable Calculus

Certifications

AWS Certified Machine Learning – Specialty **Validation Number:** KXRM608DB2Q110CJ
AWS Certified Cloud Practitioner **Validation Number:** 8CDDYTNBD211QVCD